JVC

HD-ILA TV

HD-65DS8DDJ
HD-58DS8DDJ

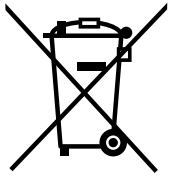
INSTRUCTIONS

Trade Mark of the DVB Digital Video Broadcasting Project (1991 to 1996) Number : 4345, 4346

LCT2235-001A-A

Dear Customer,
This apparatus is in conformance with the valid European directives and standards regarding electromagnetic compatibility and electrical safety.
European representative of Victor Company of Japan, Limited is:
JVC Technology Centre Europe GmbH
Postfach 10 05 52
61145 Friedberg
Germany

Information for Users on Disposal of Old Equipment



Attention:

This symbol is only valid in the European Union.

[European Union]

This symbol indicates that the electrical and electronic equipment should not be disposed as general household waste at its end-of-life. Instead, the product should be handed over to the applicable collection point for the recycling of electrical and electronic equipment for proper treatment, recovery and recycling in accordance with your national legislation.

By disposing of this product correctly, you will help to conserve natural resources and will help prevent potential negative effects on the environment and human health which could otherwise be caused by inappropriate waste handling of this product. For more information about collection point and recycling of this product, please contact your local municipal office, your household waste disposal service or the shop where you purchased the product.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

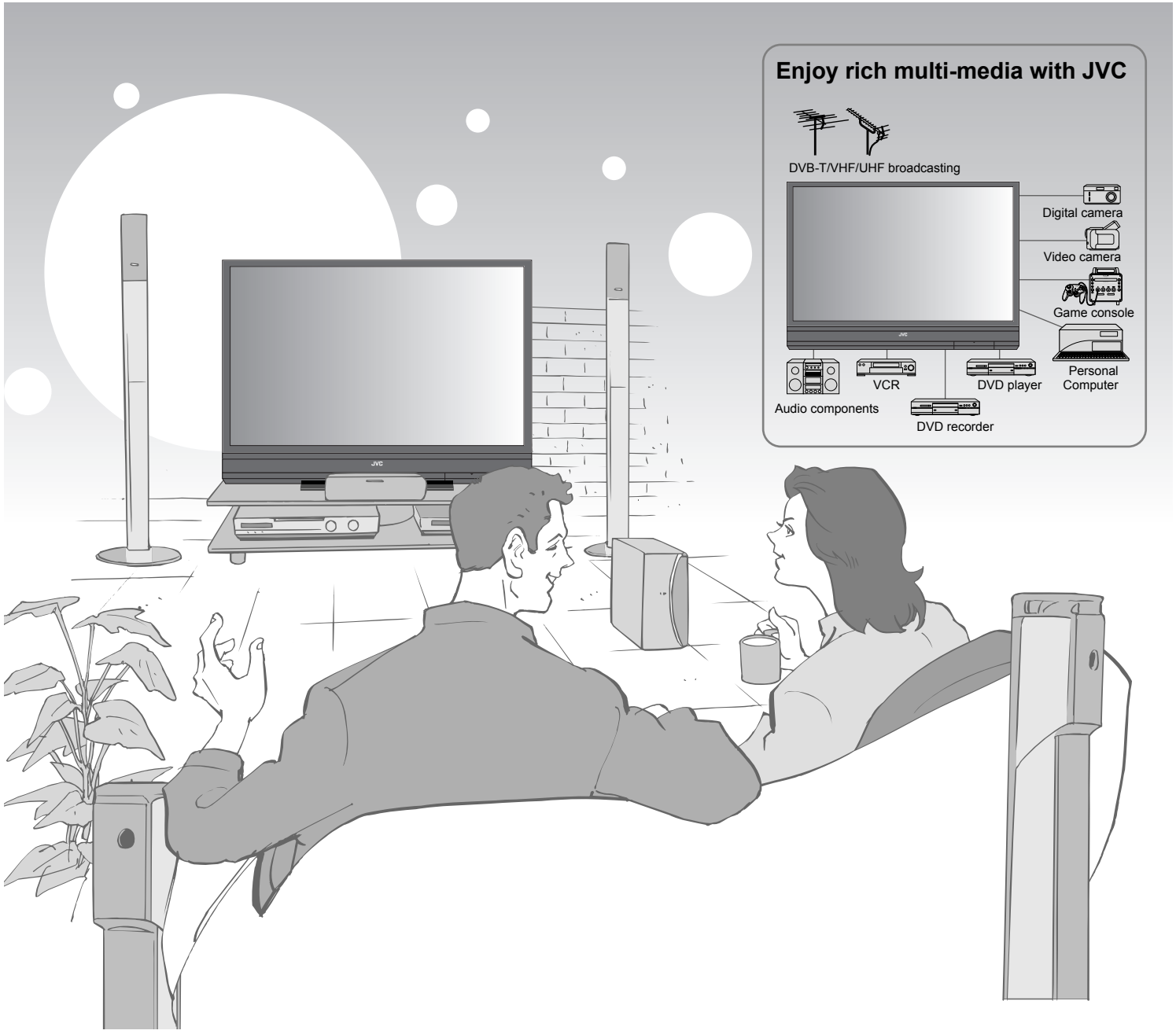
(Business users)

If you wish to dispose of this product, please visit our web page www.jvc-europe.com to obtain information about the take-back of the product.

[Other Countries outside the European Union]

If you wish to dispose of this product, please do so in accordance with applicable national legislation or other rules in your country for the treatment of old electrical and electronic equipment.

Expanding the world of beautiful images



Digital terrestrial broadcasting (DVB-T)
⇨Digital channels
Analogue terrestrial broadcasting (VHF / UHF) and analogue cable TV
⇨Analogue channels

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Warning

Please follow all the guidelines below

Follow this manual regarding setup!

- Connect only to a 220-240V, 50Hz AC outlet.

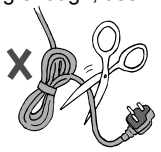
Make enough room for inserting and removing the power plug!

Place the TV as close to the outlet as possible!

- The main power supply for this TV is controlled by inserting or removing the power plug.

Never cut or damage the power cord!

- If the power plug is not the right shape, or the power cord is not long enough, use an appropriate plug adapter or extension cable. (Consult your retailer.)



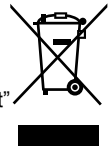
- If you have cut or damaged the power cord ⇨ "Technical information (P. 33)
- To change the fuse in UK plugs ⇨ "Technical information (P. 33)

Do not allow the TV to fall or drop down!

- Follow the instructions below to avoid serious injuries.
  ① Remove the pedestals on the TV only in the cases allowed in "Installation" (P. 8).
  ② Do not lean or rest your elbows on the TV.
  ③ Do not allow children to hang from the TV.

On disposal of the TV!

- Follow the instruction in "Information for Users on Disposal of Old Equipment" (P.i).

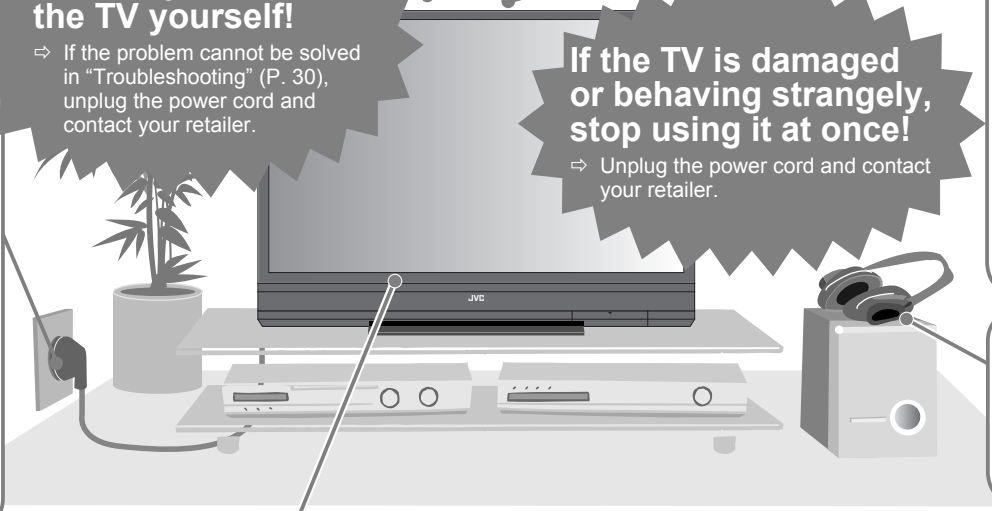


Never try to repair the TV yourself!

⇨ If the problem cannot be solved in "Troubleshooting" (P. 30), unplug the power cord and contact your retailer.

If the TV is damaged or behaving strangely, stop using it at once!

⇨ Unplug the power cord and contact your retailer.



Never place anything on the TV!

- Placing liquids, naked flames, cloths, paper, etc. on the TV may cause a fire.

Never expose to rain or moisture!

- To prevent fire or electric shock, never allow liquids to enter the unit.

Never insert objects into the cabinet openings!

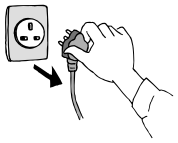
- It may cause a fatal electric shock. Take care when children are near.

Never listen with headphones at high volume!

- It may damage your hearing.

Unplug the power cord when going out!

- The power buttons on the remote control and the TV unit cannot completely turn off the TV. (Make appropriate arrangements for bedridden people.)



- Make sure that the cooling process (P. 3) has completed before unplugging the power cord.

Ensure ample room to avoid overheating!

- "Care when setting" (P. 8)

Never dismantle the rear panel!

- It may cause an electric shock.

Never block the ventilation holes!

- It may cause overheating or a fire.

Handle screen with care!

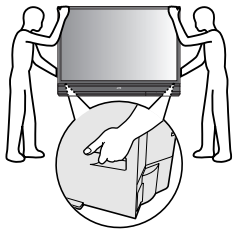
- Use a soft, dry cloth when cleaning.

Hold the TV so as not to scratch the screen!

- Do not touch the screen when carrying the TV.

Do not hold by the screen frame when moving the TV!

- This could cause the screen frame to detach, causing the TV to fall. Hold the TV as illustrated on the right.



■For more details on installation, usage and safety ⇨ Consult your retailer

Precautions

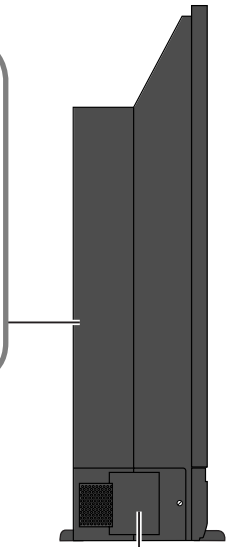
This TV uses a lamp to project the picture on the screen. Misoperations may shorten the lamp life or cause malfunction of the lamp.
Before operating the TV, read all the instructions below.

This TV has a fan to cool the lamp

- When the lamp is hotter, the fan works harder to cool the lamp. In such a case, the noise of the fan becomes louder but it is not malfunction.

Keep children or pets away from the air ducts

- Long exposure to the warm air from the ducts may cause a minor burn.



The lamp is a consumable item

- When the lamp has blown, replace the lamp; otherwise, the picture cannot be displayed. For details ⇨ “Replacing the lamp” (P. 4, 5)

Follow the instructions on “Replacing the lamp” when replacing the lamp (P. 4, 5)

- Handle the lamp carefully and correctly; otherwise, it may cause a burn or an electric shock. In addition, it may shorten lamp life or cause malfunction of the TV.

Never open the lamp cover except when replacing the lamp

■Exposing the lamp is dangerous because...

- The lamp becomes extremely hot while in use, it may cause a burn.
- Touching metallic portion of the lamp may cause electric shock.
- Ultraviolet rays are emitted from the lamp.

Never replace the lamp immediately after use

- Since the lamp becomes extremely hot while in use, it may cause a burn.

Never touch the lamp glass

- Dirt or oil from the finger may cause the lamp to break.

Please follow all the guidelines below

When the power is turned on, the warming up commences

- Immediately after the TV is turned on, the picture is displayed only dimly. It takes about one minute for the lamp to warm up. Once the lamp has warmed up, you can enjoy the pictures at their normal brightness.
- During this warming-up period, the LAMP indicator blinks every 2 seconds.

While the LAMP indicator is blinking, the TV cannot be turned off

When the power is turned off, the cooling down is performed

- When the TV is turned off, the picture on the screen disappears gradually. Once the screen is dark, cooling down is performed for about 1 minute.
- During this cooling-down period, the LAMP indicator blinks every 2 seconds.
- Do not unplug the TV while the lamp is cooling down. This may cause the internal circuits and the lamp to overheat and shorten the lamp life.

While the LAMP indicator is blinking, the TV cannot be turned on

- You can turn on the TV within 15 seconds after turning off.

Condensation on the lamp and screen

- When the heater is turned on or the TV is moved from a cold place to a warm place, droplets of water may form on the lamp and screen. This is called condensation. If the TV is used while this condensation is still present, the picture may seem distorted, and the inside of the screen may become dirty. In this case, wait until the condensation has gone before using the TV.

Do not turn the power on and off repeatedly in a short amount of time

- It subjects the TV and the lamp to stress and may lead to malfunctions and shorten the lamp life.

Do not keep the TV on for more than 24 hours consecutively

- The lamp life may be shortened.

Do not project a still picture for a long time

- Because of the ILA characteristics, still picture may remain on the screen. (The picture will disappear over time.)

■For more details on installation, usage and safety ⇨ Consult your retailer

Replacing the lamp

The TV uses a lamp to project the picture onto the screen. When the lamp has blown or when the picture becomes dark, replace the lamp.
Before replacing the lamp, read all the instructions carefully.

■If you feel unsure about replacing the lamp yourself ⇨ Consult your retailer

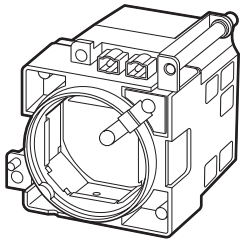
Preparation

Prepare the Replacement Lamp Kit

- For purchasing the Replacement Lamp Kit, consult your retailer.

Use only the specified Replacement Lamp Kit!

This lamp is for use with JVC model televisions. Using the lamp with a different television or other product could cause a malfunction and/or damage to the television or lamp.



Replacement Lamp Kit:
PK-CL120E

- High-pressure 120 W mercury lamp

When the lamp is near to its end...

- The following message appears on the screen.

> Lamp needs to be replaced.
> Please refer to the manual for replacement instructions.
>
> After replacing the lamp, please reset the timer in the TV menu.
>
> Press OK, if you do not want to see this message again.

■To make the message disappear

After the usage time of the lamp has reached 6500 hours, this message appears every time you turn on the TV.

■Possible causes of shortened lamp life

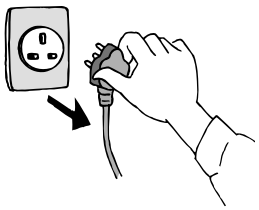
- Turning on/off the TV repeatedly in a short amount of time.
- Keeping the TV turned on for more than 24 hours consecutively.

Before replacing the lamp, read all the instructions.

1 Turn the TV off

Wait until the LAMP indicator stops blinking

Unplug the TV



2 Wait for at least 1 hour until the lamp has fully cooled

3 Remove the lamp unit

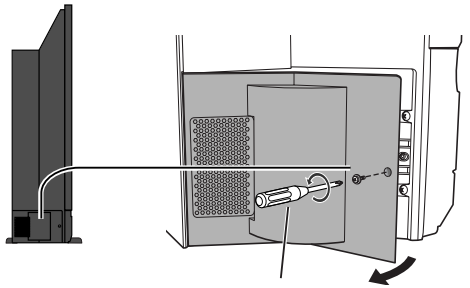
Never replace the lamp before it has fully cooled!

The lamp becomes extremely hot while in use, which may cause a burn. After turning off the TV, wait for at least 1 hour.

Never attempt to replace the lamp with the TV plugged in!

Attempting to replace the lamp with the TV plugged in could lead to a severe electrical shock.

1 Remove the lamp cover

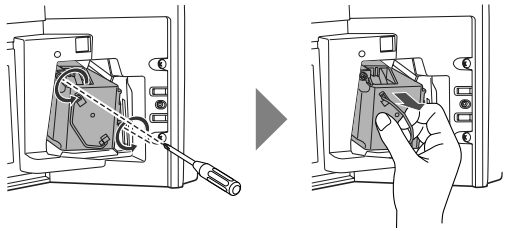


Philips head type screw driver (cross-head type)

If you feel any warmth near the lamp, DO NOT TOUCH IT!

2 Remove the lamp unit

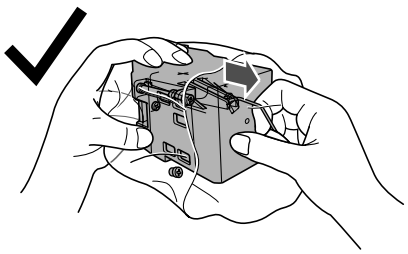
Loosen Remove



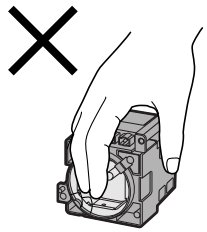
Do not drop the lamp!

4 Install the NEW lamp unit

1 Unpack



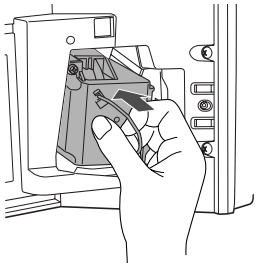
Do not drop the lamp!
Do not shock the glass surface of the lamp!
It may shatter the lamp causing injuries.



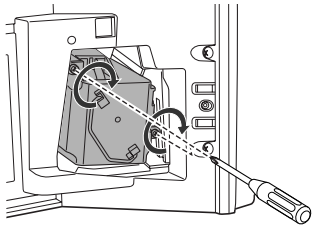
Never touch the glass surface of the lamp!
Oils deposited from the finger may cause a difference in temperature when the lamp heats up to its operating temperature, causing the lamp to break.

2 Insert

- Make sure the lamp sits securely and flat in the housing area.



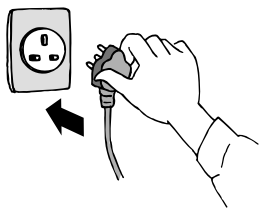
Re-tighten



3 Reinstall the lamp cover

- Tighten the screw.

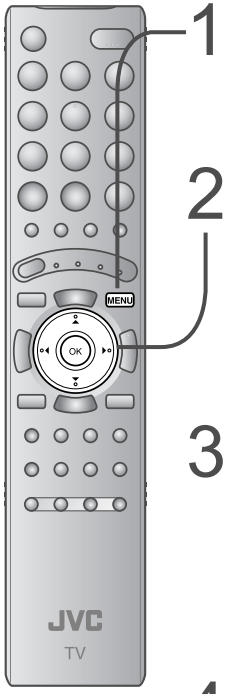
5 Plug in the TV



Turn the TV on

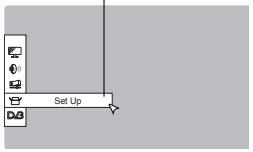
- If the lamp unit is not installed securely (e.g. flat in the lamp housing area), the TV won't turn on. In this case, reinstall the lamp unit.

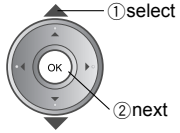
6 Reset the lamp timer



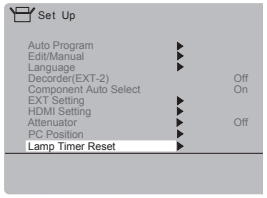
1 Display the menu bar

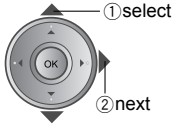
2 Select "Set Up"





3 Select "Lamp Timer Reset"





4 Finish

Press OK to reset the lamp timer.

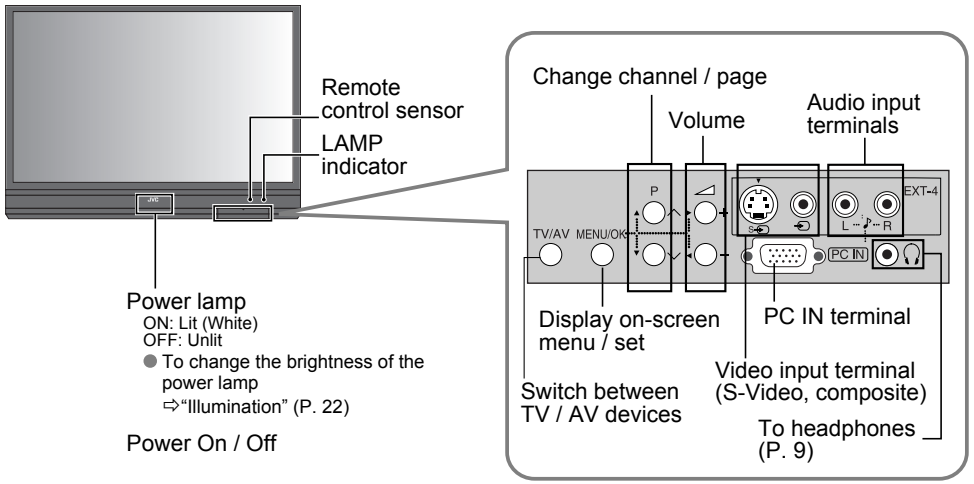
The lamp timer is reset successfully.

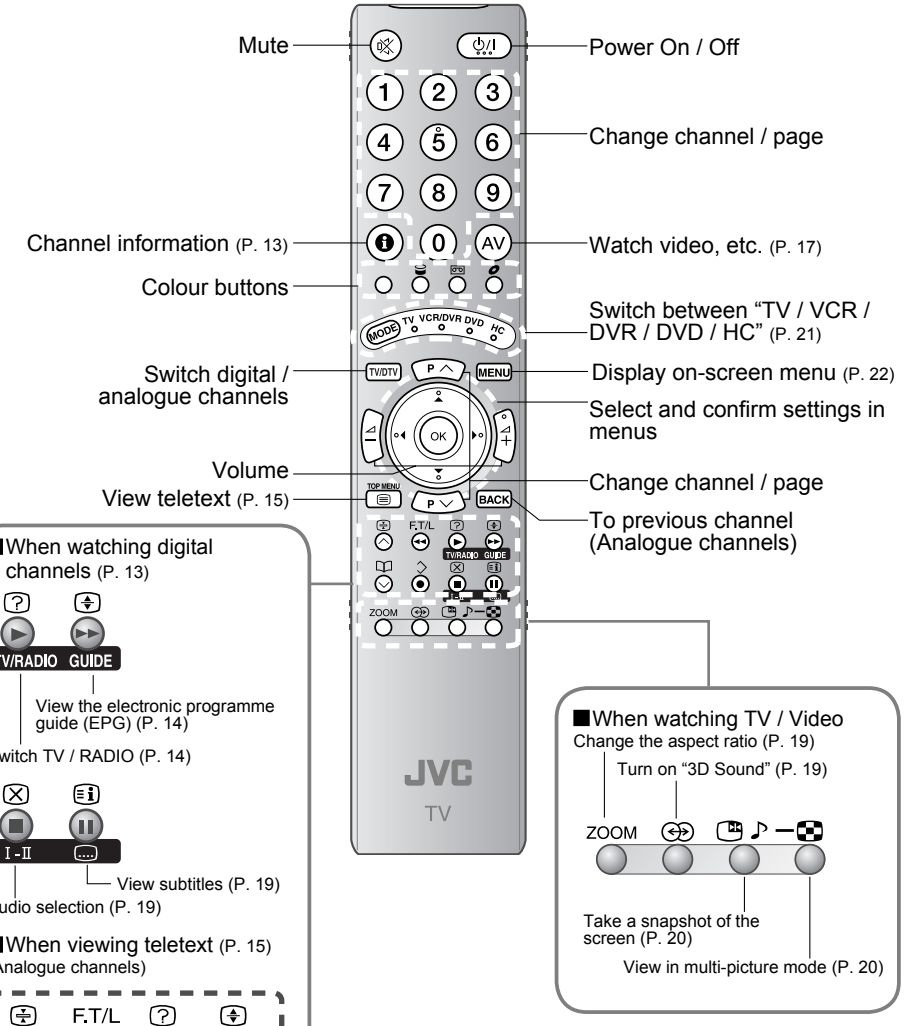
7 Finally, the lamp has been replaced!

Never dispose of the lamp with normal trash!
The lamp contains a small amount of mercury. Follow the instruction in "Information for Users on Disposal of Old Equipment" (P.i).

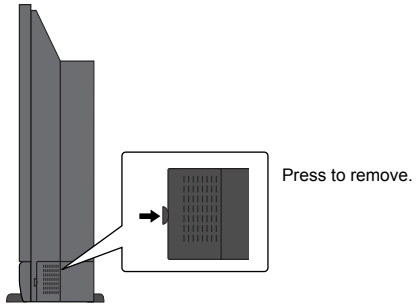
- If the power lamp and LAMP indicator blink rapidly after turning on the TV
  ⇨ "Lamp" (P. 31)

Names of all the parts




Mute
Power On / Off
Change channel / page
Channel information (P. 13)
Watch video, etc. (P. 17)
Colour buttons
Switch between "TV / VCR / DVR / DVD / HC" (P. 21)
Switch digital / analogue channels
Display on-screen menu (P. 22)
Select and confirm settings in menus
Volume
View teletext (P. 15)
Change channel / page
To previous channel (Analogue channels)
JVC
TV

Remove the terminal cover



● Connecting terminals on the back of the TV
⇨ "Connecting external devices" (P. 9)

About the LAMP indicator

The LAMP indicator blinks as follows.

- When turning on the TV, the LAMP indicator blinks for about 1 minute every 2 seconds.
  ⇨The lamp is warming up. During this period, the TV cannot be turned off.
- After turning off the TV, the LAMP indicator blinks in orange for about 1 minute every 2 seconds.
  ⇨Cooling is performed. During the cooling period, the TV cannot be operated.
- If the LAMP indicator blinks rapidly
  ⇨"Lamp" (P. 31)

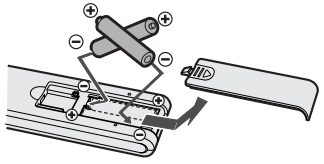
Check accessories

Remote control (RM-C1906S)

"AAA/R03" Batteries
For confirming the TV works

Insert the batteries

Use two "AAA/R03" dry cell batteries.
Insert the batteries from the ⊖ end, making sure the ⊕ and ⊖ polarities are correct.

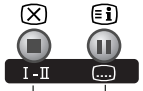


WARNING:
Batteries shall not be exposed to excessive heat such as direct sunshine, fire or the like.

■When watching digital channels (P. 13)

View the electronic programme guide (EPG) (P. 14)

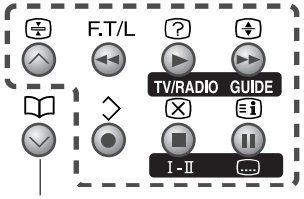
Switch TV / RADIO (P. 14)



View subtitles (P. 19)

Audio selection (P. 19)

■When viewing teletext (P. 15) (Analogue channels)



■When choosing a favourite channel (analogue channel) (P. 16)

■When operating a JVC recorders or DVD (P. 21)

■When watching TV / Video

Change the aspect ratio (P. 19)

Turn on "3D Sound" (P. 19)

Take a snapshot of the screen (P. 20)

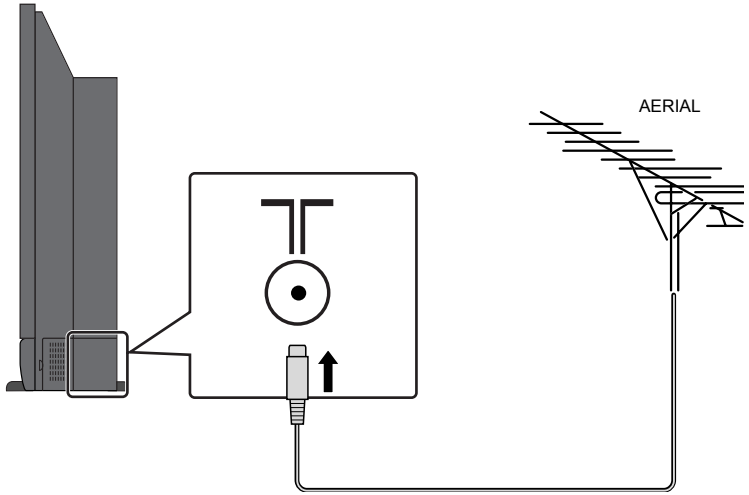
View in multi-picture mode (P. 20)

Basic connections

Please read the user manuals of each device carefully before setup.
It is necessary to connect an aerial to watch TV.

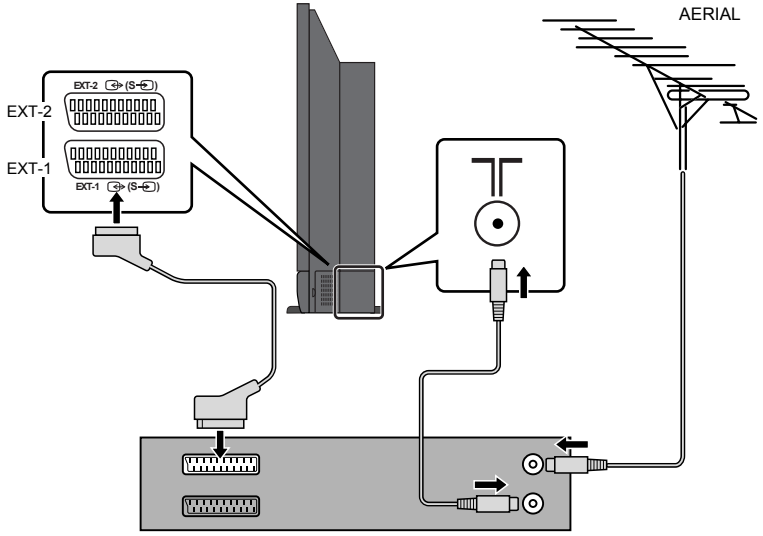
■Connect with other devices ⇨ “Connecting external devices” (P. 9)

Connect the aerial



- After all the connections have been made, insert the plug into an AC outlet.
- When using an aerial which needs external power ⇨ “Power supply for the indoor aerial” (P. 33)

Connect a VCR / DVD recorder



- After all the connections have been made, insert the plug into an AC outlet.
- Connect “T-V LINK” compatible recording device to “EXT-2”.
- “T-V LINK” ⇨ “What is “T-V LINK”?” (P. 10)
- When using an indoor aerial which needs external power, connect the aerial directly to the TV. ⇨ “Power supply for the indoor aerial” (P. 33)

Watch pay-TV digital channels

Subscribe to a broadcasting company beforehand. A Viewing Card Ⓑ will be sent by the broadcasting company after subscribing to it. It may be necessary for you to purchase a CAM (Conditional Access Module) Ⓐ in addition to the Smart Card. Consult your broadcasting company or retailer.

①Unplug the power cord

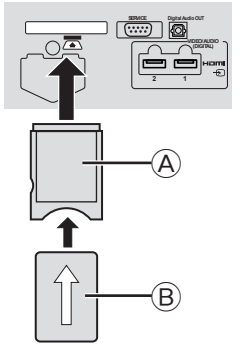
②Insert Ⓑ into Ⓐ.

③Insert Ⓐ.

④Plug the power cord, and turn the power on.

⑤Perform necessary settings ⇨ “Common Interface” (P. 26)

- Pay-TV analogue channels cannot be watched.



Installation

Care when setting

When installing the TV, install it according to the instructions below:

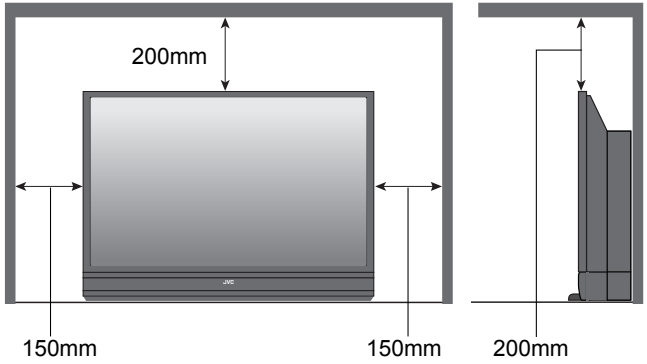
■ Install the TV on a level and stable surface.

■ Never expose to rain or moisture.
To prevent fire or electric shock, never allow liquids to enter the unit.

■ Make enough room for inserting and removing the power plug!

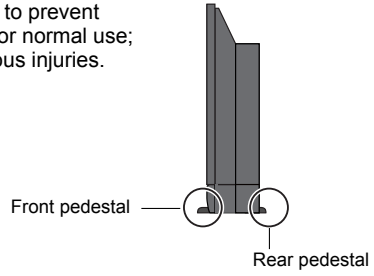
■ Place the TV as close to the outlet as possible!
The main power supply for this TV is controlled by inserting or removing the power plug.

■ To avoid overheating, ensure that the unit has ample room.



■ Connect the power cord only to a 220-240 V, 50 Hz AC outlet

Warning
On the front and rear of the TV, pedestals are attached to prevent the TV from falling over. Do not remove the pedestals for normal use; otherwise, the TV may fall over and it could cause serious injuries.



Remove the pedestal(s) only in the following cases;
- When attaching the TV to the wall
- When the instructions supplied for JVC optional goods require you to remove the pedestal(s)

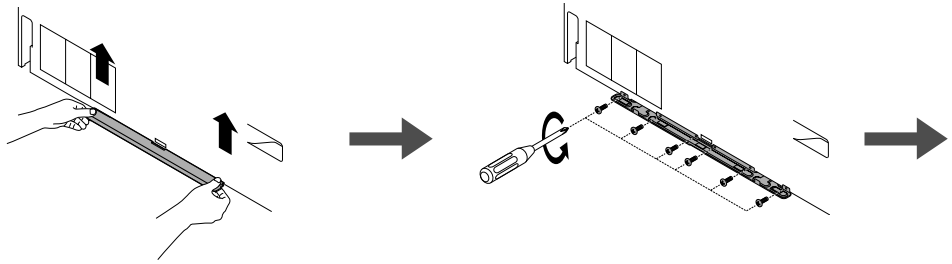
When installing the TV right on the wall

Remove the rear pedestal and install the TV as in the procedure below.

CAUTION:
Remove the rear pedestal on a level and stable surface.

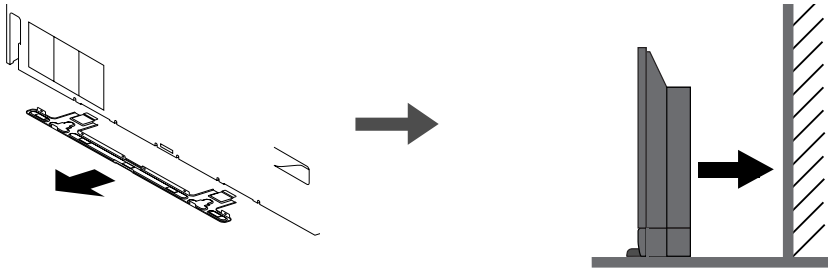
①Remove the cover.

②Remove the screws with a Phillips type screwdriver.



③Slide out the rear pedestal gently.

④Attach the TV to the wall.



Be sure to install the TV by two persons.

When installing the TV on a TV stand

Use the optional JVC TV stand
- Refer to the instructions supplied for the JVC TV stand for installation.

Connecting external devices

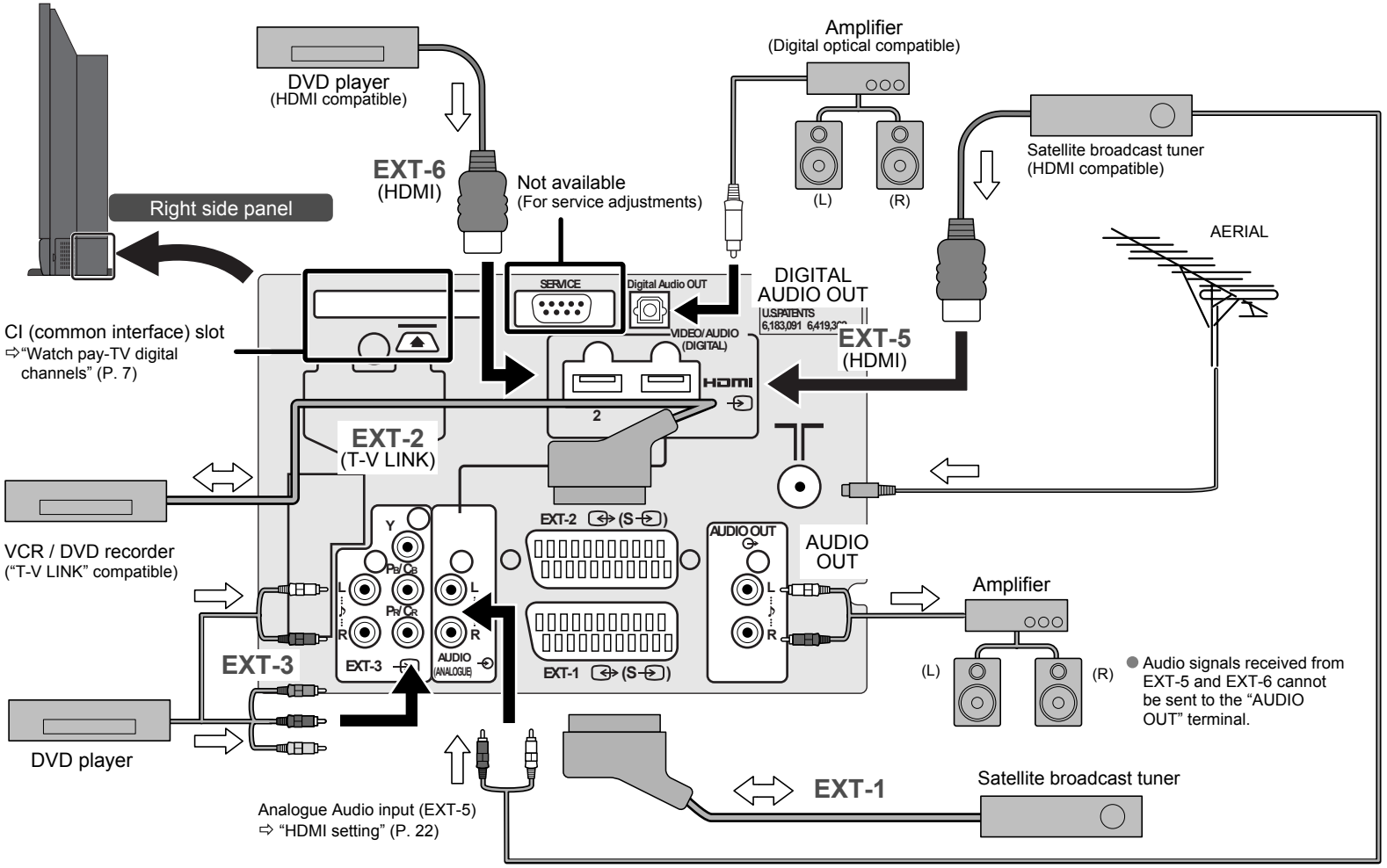
VCR / DVD / other devices

You can connect many different devices to the rear panel of the TV.
Please read the user manuals of each device before setting up.
(Connecting cables are not supplied for this TV.)

⇨: signal direction

■ Connect “DVI” devices ⇨ (P. 33)

■ “T-V LINK” ⇨ (P. 10)



EXT-1 Watching videos

Output ⬆	Input ⬇
· Composite signal · Sound L / R	· Composite signal / RGB / S-VIDEO · Sound L / R

● Use S-VIDEO ⇨ “S-IN” (P. 17)

EXT-2 Dubbing videos Using “T-V LINK”

Output ⬆	Input ⬇
· Composite signal · Sound L / R	· Composite signal / RGB / S-VIDEO · Sound L / R
· T-V LINK	

● Use S-VIDEO ⇨ “S-IN” (P. 17)
● Select dubbing sources
⇨“DUBBING” (P. 17)
● Connect a decoder
⇨“Decoder (EXT-2)” (P. 22)

EXT-3 Watching DVDs

Output ⬆	Input ⬇
	· Component signal (P. 34) · Sound L / R

● “Component Auto Select” ⇨ (P. 22)

EXT-4 Watching videos (front panel)

Output ⬆	Input ⬇
	· Composite signal / S-VIDEO · Sound L / R

● Use S-VIDEO ⇨ “S-IN” (P. 17)

EXT-5 EXT-6 Connecting HDMI devices

Output ⬆	Input ⬇
	· HDMI signal (P. 34) · Sound L / R (EXT-5 only)

● “HDMI Setting” ⇨ (P. 22)
● EXT-6 input does not support analogue sound.
● Use HDMI CEC
⇨“What is “HDMI CEC”?” (P. 34)

AUDIO OUT

Listening to the TV on external speakers

Output ⬆
· Sound L / R

DIGITAL AUDIO OUT

Listening to the digital audio of digital channels through external speakers

Output ⬆
· Digital sound (P. 34)

● The sound from analogue channels and external devices cannot be output.
⇨ “Dolby Digital output from the DIGITAL AUDIO OUT terminal” (P. 33)

Initial settings

Register digital / analogue channels on TV. These channels can be edited later.
(In this manual, digital terrestrial broadcasting is indicated as digital channels, analogue terrestrial broadcasting and analogue cable TV as analogue channels.)

■When turning on the TV, it takes about 1 minute to project the picture to its full brightness.

■When turning off the TV, it takes about 5 seconds to make the screen dark. After that, cooling is performed for about 1 minute.

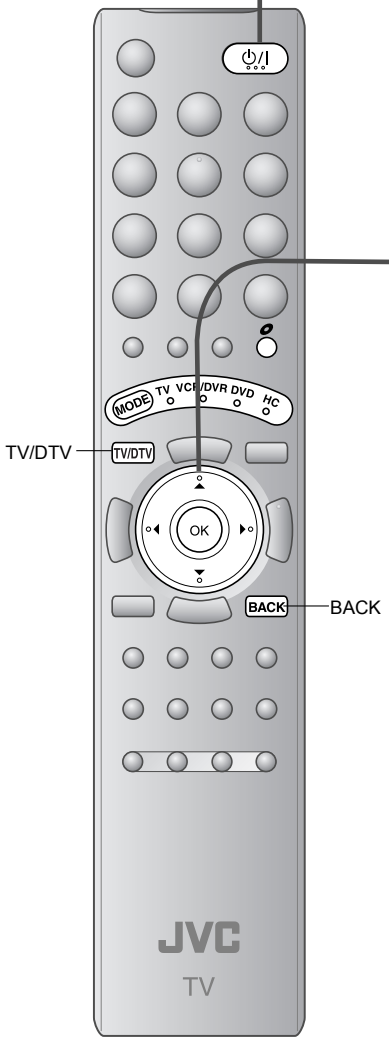
⇨"About the LAMP indicator" (P. 6)

■To the previous screen ⇨ BACK

■Exit ⇨ TV/DTV

■If the "JVC" logo does not appear or if you wish to make changes later

⇨Digital channel settings : "DTV Configuration" (P. 25)
"DTV Installation" (P. 27)
Analogue channel settings : "Set Up" (P. 22)



What is "T-V LINK"?

Connecting the TV to a "T-V LINK" compatible device allows :

- Analogue channels to be instantly registered on the device.
- The "DIRECT REC" function to be used.

⇨"Technical information" (P. 33)

■"T-V LINK" variations

"T-V LINK" (JVC) "Q-LINK" (Panasonic)
"Megalogic" (Grundig) "Data Logic" (Metz)
"SMARTLINK" (Sony) "Easy Link" (Philips)

1 Begin

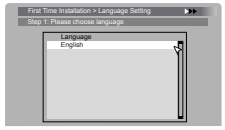
- Shown only when powering on for the first time.
- The power button on the unit can also be used.

■The remote control doesn't work

- Confirm the mode is set to "TV".

2 Set digital channels

1 Confirm "English" is set

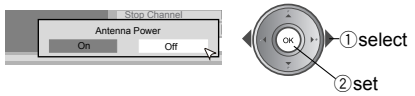


- Language for on-screen displays when watching digital channel including the DTV menu.

2 Confirm "United Kingdom" is set

- This TV can only receive British digital channels.

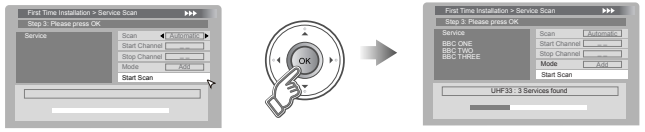
3 Set the aerial power supply



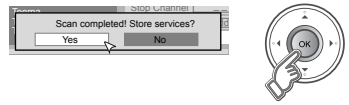
- Only when using an aerial which needs external power, select "On".

⇨"Power supply for the indoor aerial" (P. 33)

4 Scan digital channels



5 Register digital channels



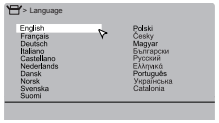
■If digital channels are not found, the following message will appear.

⇨ 3 (Next page)

- After completing following steps, read "When the TV cannot find the digital channels" (P. 11) and try scanning digital channels again

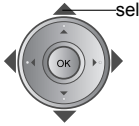
Initial settings (continued)

3 Confirm the language



- Language for on-screen analogue channel displays and menus (excluding the DTV menu)

■When changing a language



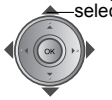
■When not using analogue channels ⇨ TV/DTV ⇨ 5

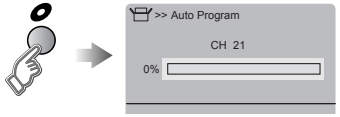
■When using analogue channels (or cable TV) ⇨ ⇨ 4

4 Set analogue channels

1 Register analogue channels

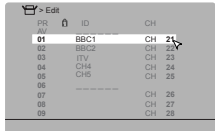
■When changing a country





- If "ACI Start" appears, select and start settings. (This will set up cable television channels.)
  ⇨ "What is "ACI" (Automatic Channel Installation)?" (P. 33)

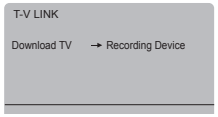
2 Check what was registered



■Edit analogue channels
⇨ 5 in "Editing analogue channels" (P. 29)

■Confirm

3 Set TV-LINK



■When using T-V LINK

- If "Feature Not Available" appears :
  ⇨ Is a T-V LINK compatible device connected to EXT-2?
  ⇨ Is the device turned on?

■When not using T-V LINK

5 Initial setting is complete

■Edit digital channels ⇨ "Editing digital channels" (P. 28)

■If digital channel reception is poor
⇨ When the digital channel reception is poor (right column)

■If analogue channel reception is poor ⇨ "Troubleshooting" (P. 30)

■Some digital channels cannot be watched on this TV.
⇨ "Digital channels that cannot be watched on this TV" (P.33)

When the TV cannot find the digital channels

Check the following points

- Is the TV connected correctly to the aerial?
- Change the direction of the indoor aerial.
- Is there a digital channel transmission tower nearby?
  ⇨ Turn "Attenuator" to "On" (P. 22), since the radio waves are too strong.

- Register digital channels again. ⇨ "Service Scan" (P. 27)

■If you cannot yet watch digital channels after following the steps above, there may be a problem with your aerial or its cable. Or, the signal may be too weak. ⇨ Consult your retailer

When the digital channel reception is poor

The "Missing or weak signal" message appears.

Check the following points

- Is the TV connected correctly to the aerial?
- Change the direction of the indoor aerial.
- Is there a digital channel transmission tower nearby?
  ⇨ Turn "Attenuator" to "On" (P. 22), since the radio waves are too strong.

■Check digital channels signal. ⇨ "Signal Check" (P. 27)

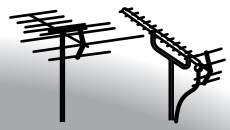
■If you cannot yet watch digital channels after following the steps above, there may be a problem with your aerial or its cable. Or, the signal may be too weak. ⇨ Consult your retailer

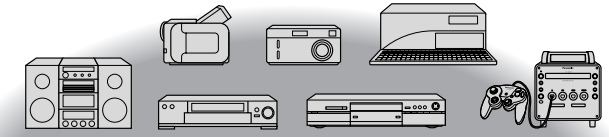
When "RF Attenuator" setting screen is displayed

■Set "Attenuator" (P. 22) from this setting screen.
To set the "Attenuator" on, select "On." To set it off, select "Off."

- This setting screen will appear during the "Factory Settings (P. 27) with "Attenuator" set to "On."

Enjoying your new TV!





Watching digital channels

PAGE 13

- View channel information
- Select a channel
- Listen to the radio, etc.

Watching analogue channels

PAGE 16

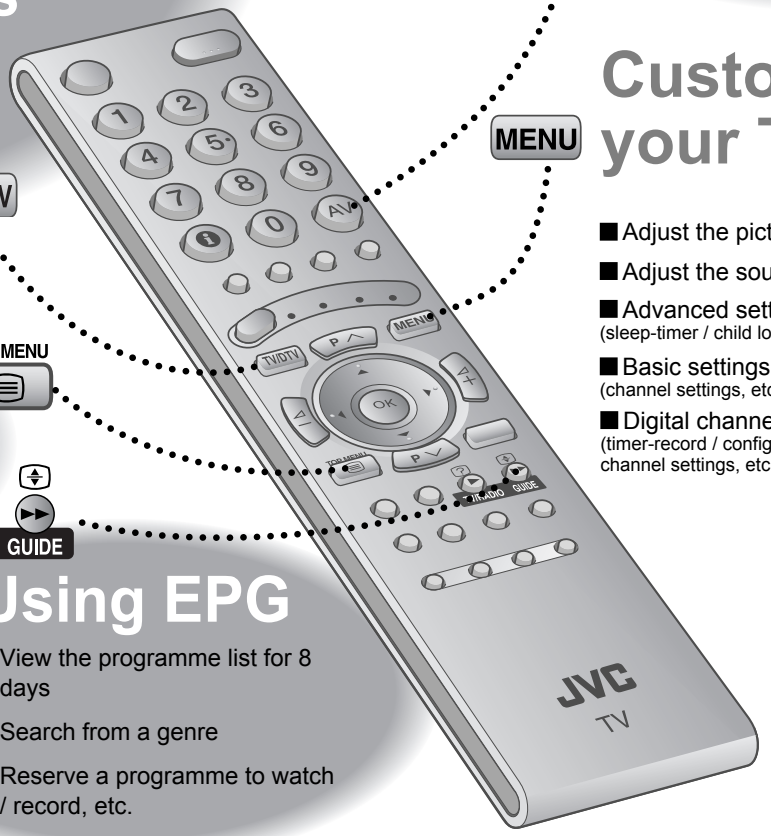
- View channel information
- Register your favourite channels, etc.

Watching videos/DVDs

PAGE 17

- PC position adjustment
- Watch high quality video (S-VIDEO)
- Name connected devices
- Dub videos

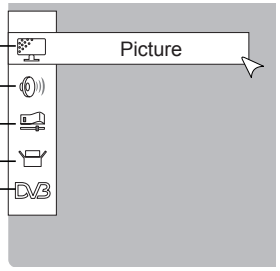
AV



Customising your TV

PAGE 22

- Adjust the picture
- Adjust the sound
- Advanced settings (sleep-timer / child lock, etc.)
- Basic settings (channel settings, etc.)
- Digital channel settings (timer-record / configuration / channel settings, etc.)



Viewing teletext

PAGE 15

- Bookmark your favourite pages
- Reveal hidden pages
- Enlarge the text, etc.

Using EPG

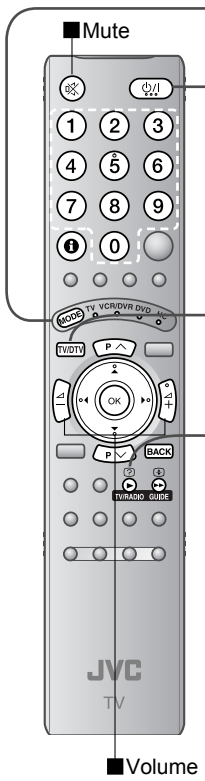
PAGE 14

- View the programme list for 8 days
- Search from a genre
- Reserve a programme to watch / record, etc.

Watching digital channels

■When turning on the TV, it takes about 1 minute to project the picture to its full brightness.

■When turning off the TV, it takes about 5 seconds to make the screen dark. After that, cooling is performed for about 1 minute.
⇨"About the LAMP indicator" (P. 6)



1 Set to "TV"

2 Power on

The white power lamp on the TV lights.

● Press again to turn the screen off and put the TV into standby mode.

3 Switch to digital channels

4 Switch TV / RADIO

5 Select a channel

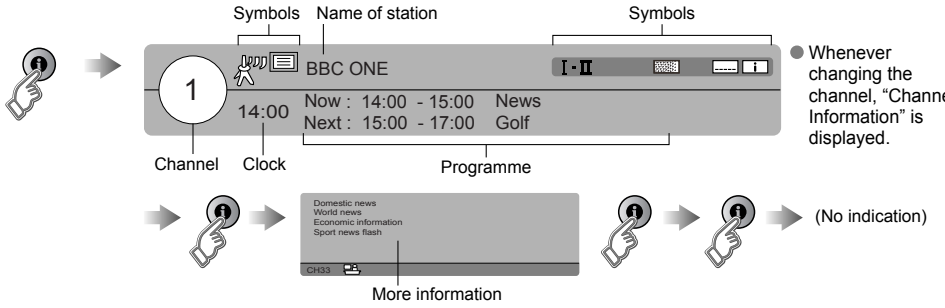
■To the previous screen
⇨ BACK

■View subtitles / Select audio language ⇨ (P. 19)

Note

- To completely turn off the TV, unplug the power plug.
- Watch pay-TV digital channels ⇨ (P. 7)
- Add a new station ⇨ (P. 27)
- Some digital channels cannot be watched on this TV. ⇨ (P.33)

Channel information



● Whenever changing the channel, "Channel Information" is displayed.

■Symbols description

: Reception level — Red : Poor — Yellow : Acceptable — Green : Excellent

: TV programme — : Radio programme

: Teletext is available (P. 15).

I-II : I : Audio in another language is not available.
II : Other audio languages are available (P. 22).

: Pay-TV channel

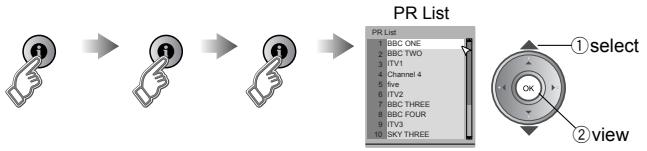
: Subtitles are available (P. 19).

: More information about the programme is available. ⇨

Dolby Digital : Dolby Digital signal is output from the "DIGITAL AUDIO OUT" terminal (P.33)

● The information displayed may differ from programme to programme.

Using PR list



● Channels registered in "Initial settings" will appear here.
● You can select only from your favourite channels ⇨ "Favourite Mode" (P. 25)

Using EPG

● Display only programmes which match your selected genre ⇨ "Genre" (P. 14)

Using the number buttons, up / down buttons

■Enter a channel number

E.g.
1 : 0 ⇨ 0 ⇨ 1
15 : 0 ⇨ 1 ⇨ 5

■Move up or down a channel

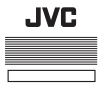
P ^ — up
P v — down

● You can select only from your favourite channels ⇨ "Favourite Mode" (P. 25)

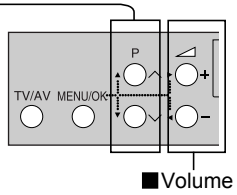
■The channels and programme names shown in the illustrations here are examples only.

Basic operations using the front buttons

1 Power on



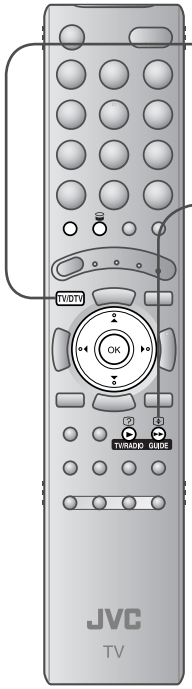
2 Change the channel



● To switch between digital / analogue channels, or TV / radio, use remote control.

Using EPG (Electronic Programme Guide)

You can find a digital channel programme from an eight-day programme guide, check its information, and make a reservation.



1 Switch to digital channels

TV/DTV

■When switching TV / RADIO

TV/RADIO

2 Display EPG

GUIDE

Genre TV Radio

Date Channel Programme

■Check programme information
⇨ (i)

■Close EPG
⇨ GUIDE

■Search from genre

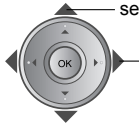
Genre icon

General	Children
Movie	Education
News	Leisure
Entertainment	Drama
Sports	

3 Find a programme

■Watch / listen to the programme ⇨ (P. 13)

■Reserve the programme



select a date / a channel / a programme

select a column
(date ⇨ channel ⇨ programme)

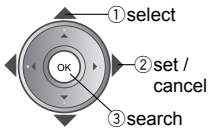
■The channels and programme names shown in the illustrations here are examples only.

Display only programmes which match your selected genre

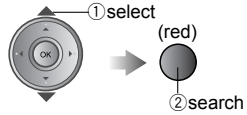
Genre

1 Display the genre List

2 Select a genre



■Quick search



● More than one genre can be selected.

● Only one genre can be selected.

3 Find a programme

Your selected genres are displayed

● Only programmes in the selected genre are displayed.

Reserve a programme to watch and record

Timer

1 Display "Timer"

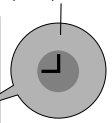
● Select the reserved programme beforehand.

(red)

2 Set "Timer" ⇨ 6 in "Using timer-record" (P. 18)

3 Confirm the reservation

(red) : Reserve to record
(blue) : Reserve to watch

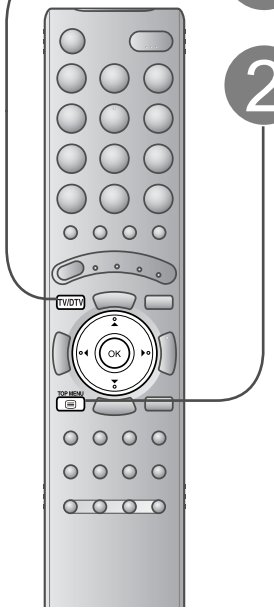


: Reservation time is shorter than the broadcasting time

● For more details about the timer-record setting
⇨"Using timer-record" (P. 18)

Viewing teletext

This TV can display TV broadcasts and teletext on the same channel in two windows.



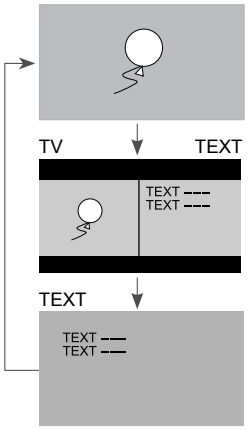
1 Switch digital / analogue channels

TV/DTV

2 TOP MENU

■When watching digital channels
⇨ Operate according to the screen indications

■When watching analogue channels



■When watching analogue channels

- Enter a teletext page

① ② ③
④ ⑤ ⑥
⑦ ⑧ ⑨
⓪

- Move up or down a page

P ^ up

P v down

- View sub-pages

to sub-page

Bookmark your favourite page

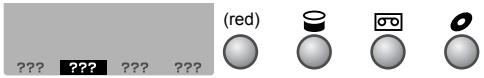
LIST MODE

(Analogue channels)

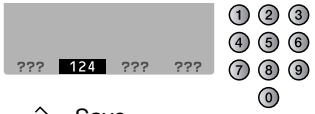
1 F.T/L Display your favourites list

(RED) (GREEN) (YELLOW) (BLUE)

2 Select a coloured button to save your page to



3 Enter the number of the page to save



4 Save

■Recall your favourite page ⇨ Press the coloured button as in step 2

Hold the current page

HOLD

(Analogue channels)

Hold the current page

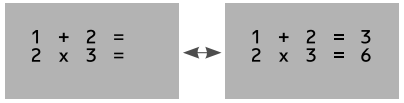
■Release ⇨ Press "⊕" again.

Reveal hidden pages

REVEAL

(Analogue channels)

Display hidden information (answers to quizzes, etc.)

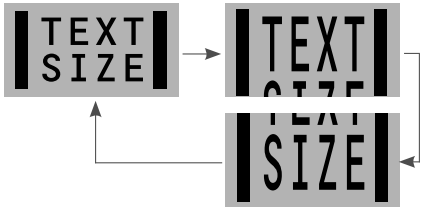


Enlarge the text

SIZE

(Analogue channels)

Double the size of the displayed text



To the index page

INDEX

(Analogue channels)

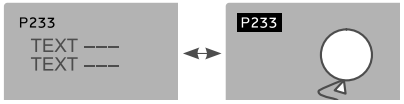
Returns to page "100" or a previously designated page

Switch briefly from teletext to TV

CANCEL

(Analogue channels)

Leave the current page open, while you switch to watch TV



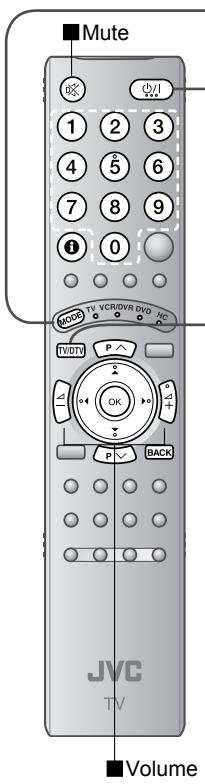
- Useful when running a page search.

Watching analogue channels

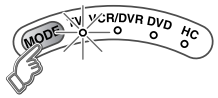
■When turning on the TV, it takes about 1 minute to project the picture to its full brightness.

■When turning off the TV, it takes about 5 seconds to make the screen dark. After that, cooling is performed for about 1 minute.

⇨"About the LAMP indicator" (P. 6)



1 Set to "TV"



2 Power on

⏻/I The white power lamp on the TV lights.

● Press again to turn the screen off and put the TV into standby mode.

3 Switch to analogue channels

TV/DTV

4 Select a channel

■To the previous channel
⇨ BACK

■Switch between mono / stereo / bilingual broadcasting
⇨"Stereo / I·II" (P. 22)

Note
- To completely turn off the TV, unplug the power plug.
- To watch analogue channels you must register them beforehand.
⇨"Auto Program" (P. 22)

Channel information and clock

Channel information → BBC1 → Time → 12 : 00 → (No indication)

● "Time" is displayed only when teletext broadcasting can be received.

Using PR list

PR list → ①select ②view

■Close PR list (3 times)

● Channels registered in "Initial settings" will appear here.

● Select a page ⇨ select

Using the number buttons, up / down buttons

■Press a channel number

E.g.
1 : 0 ⇨ 1
15 : 1 ⇨ 5

■Move up or down a channel

P ∧ up

P ∨ down

Register a channel to a button

FAVOURITE CHANNEL

While the channel is displayed → Hold down for 3 seconds → Set 1 - 4?

Press the number to register it on ① ② ③ ④ → Programmed! → Disappears after a few seconds

■Recall the favourite channel

Favourite 1 - 4? → Press the number you registered ① ② ③ ④ → BBC1

● Customisations (P. 22) to the picture of a favourite channel get saved as well.

■Check your favourite channels ⇨Press "ⓘ" and confirm that the channels you have registered have a 🕮 beside them

■Delete a favourite channel

⇨"MENU" ⇨ "Features" ⇨ "Favourite Setting"

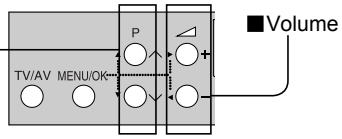
select → delete

Basic operations using the front buttons

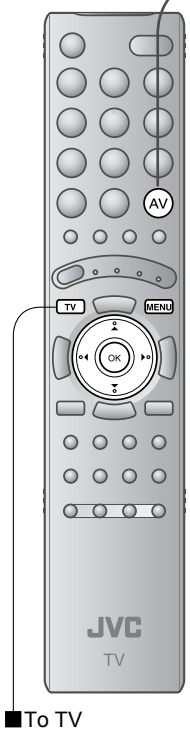
1 JVC — Power on

2 P — Change the channel

■Volume

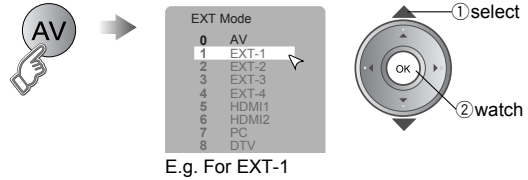


Watching videos / DVDs



■To TV

1 Select the video source

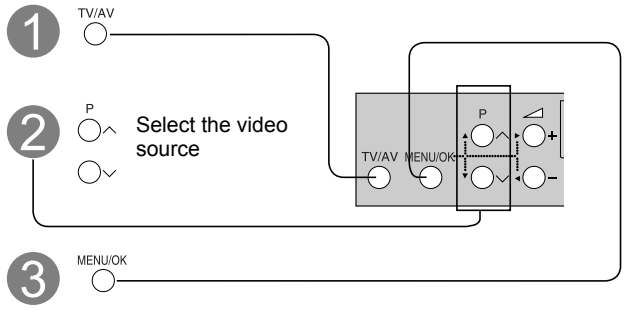


E.g. For EXT-1

2 Operate the connected device and play a video

■Operate JVC recorders and other devices (P. 21)

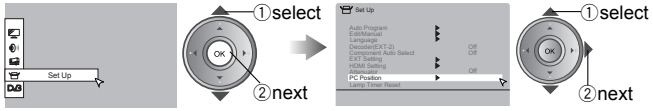
Select the video source using the front buttons



PC position adjustment

1 MENU Display the menu bar

2 Select “Set Up” Select “PC Position”



● Shown only when “PC” is selected.

3

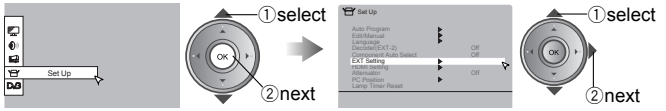
● Reset position ⇨

Advanced functions

1 Display the menu bar

MENU

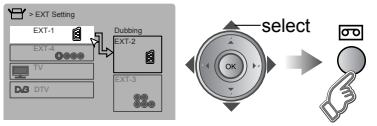
2 Select “Set Up” Select “EXT Setting”



Switch to S-VIDEO input

S-IN

①Select the “EXT” connected to S-VIDEO ②Set the S-VIDEO mode



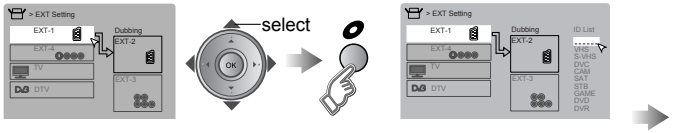
● The device selection display will change from “E1” to “S1”.

■Cancel this mode ⇨ Press “” in ② again

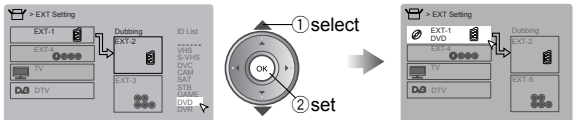
Edit names of connected devices

ID LIST

①Select an “EXT” to assign a name to ②Show the name list



③Select a name from the list

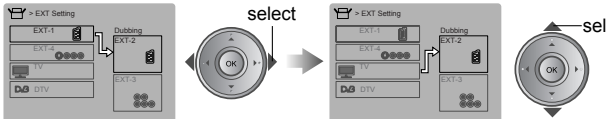


■Clear the name ⇨ Select the blank space in ③

Set up dubbing on “EXT-2”

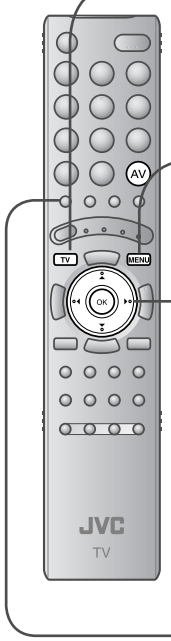
DUBBING

①Select the arrow ②Select the dubbing source



Using timer-record

DTV original function and setting, such as a recorder-linked timer-record setting, can be selected from the DTV menu.



1 Switch to digital channels

TV/DTV

■When switching TV / RADIO

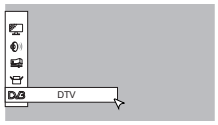
?

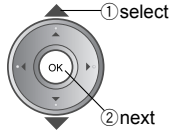
TV/RADIO

2 Display the menu bar

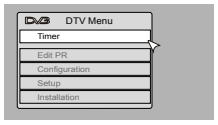
MENU

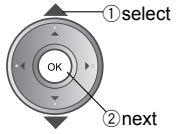
3 Select “DTV”



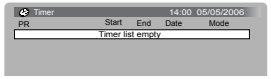


4 Select “Timer”



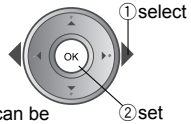


5 Set “Timer”



(red)

6 Select an item



● Up to 20 programmes can be reserved.

■To the previous screen
⇨ BACK

■Exit
⇨ MENU

● DTV menu cannot be operated with the front buttons.

■Cancel a reservation
⇨Select the reservation. Press “ ”. Select “Yes” and press “OK” button.

■Change a reservation
⇨Select the reservation and press “OK”.

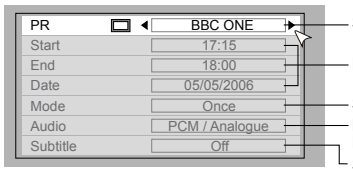
■Search for a channel using EPG
⇨Press “ ”

7 MENU

Reserve a programme to record

Record

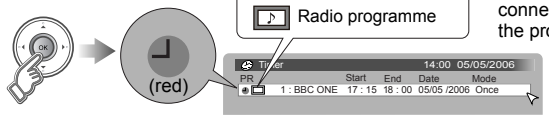
1 Input / confirm timer-record settings



Select the channel
Enter the time and date with number buttons
Select the reservation mode (Once / Daily / Weekly)
Normally set to “PCM / Analogue” (PCM / Analogue, Dolby Digital) ⇨ (P. 33)
Set subtitle recording (Off / On)

● A message will be displayed if there is problem with the reservation.
● When reserving a channel which is set to “Lock” (P. 28), enter the PIN code.
.⇨ “When entering the PIN code” (P. 23)

2 Set



● At the start time, the channel will automatically change and the device connected to EXT-2 will begin recording the programme.

● If you reserved the programme using EPG, the screen will return to EPG instead.
⇨ Step 3 in “Timer” (P. 14)

3 Prepare for recording

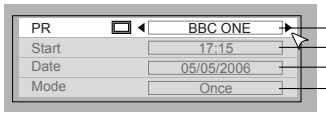
· Set the recording device to external input mode before the start time.
· Manually set the timer on T-V LINK incompatible devices. For details, refer to the device’s manual.
· Make sure that recording times on the recording device do not overlap with recording times on the TV.
· Some T-V LINK compatible DVD recorders may not work correctly.

● When the recording timer has been set, the LAMP indicator on the TV lights up orange 30 seconds before the recording starts, and will stay lit throughout the recording.

Reserve a programme to watch

Remind

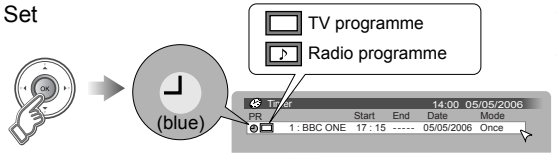
1 Input / confirm timer-record settings



Select the channel
Enter the time and date with number buttons
Select the reservation mode (Once / Daily / Weekly)

● A message will be displayed if there is problem with the reservation.

2 Set



● If the TV’s power is off at the start time, nothing happens.
● At the start time, the channel will automatically change.

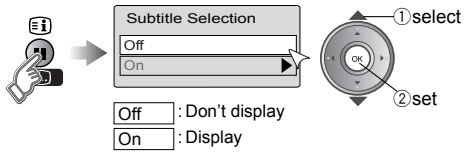
● If you reserved the programme using EPG, the screen will return to EPG instead.
⇨ Step 3 in “Timer” (P. 14)

Useful functions

View subtitles

SUBTITLE

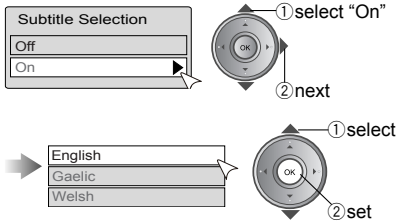
(Digital channels)



Off : Don't display
On : Display

- By default, the language set in "Subtitle Language" (P. 25) is automatically selected.
  When not broadcast in that language, another broadcast language is automatically selected.
- When no subtitles are broadcasted, "No Subtitles" is displayed.

■Switch to another language



: Special subtitles for the hearing impaired

Undefined : When the subtitle's language cannot be identified

- The language that can be selected depends on the broadcast.

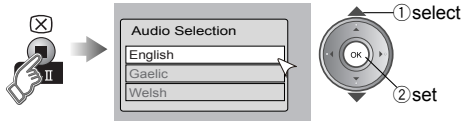
Select audio language

AUDIO SELECTION

(Digital channels)

By default, the language set in "Audio Language" (P. 25) is automatically selected.
When not broadcast in that language, another broadcast language is automatically selected.

■Switch to another language



: Special audio track for the visually impaired

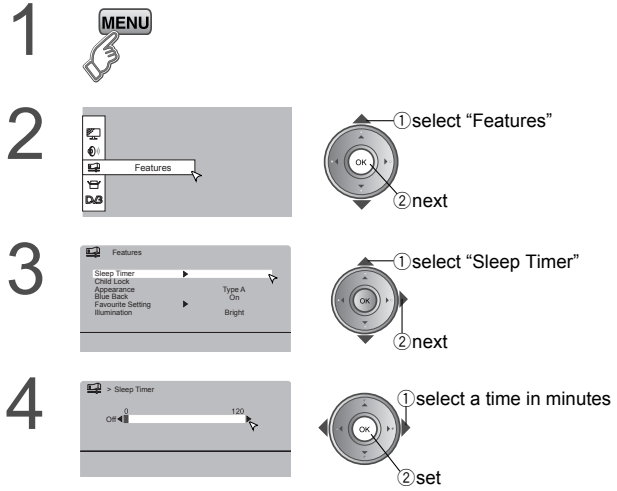
Undefined : When the audio's language cannot be identified

Dolby : Dolby Digital

- The language that can be selected depends on the broadcast.
- Read "'Dolby Digital" output from the "DIGITAL AUDIO OUT" terminal"' (P. 33) before selecting "Dolby."

Set a time for the TV to turn itself off

SLEEP TIMER



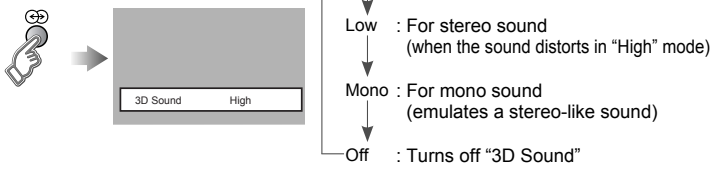
■Cancel ⇨Set the time to "0" in step 4

■Remaining time

⇨You can confirm the remaining time in step 4, after repeating this process.

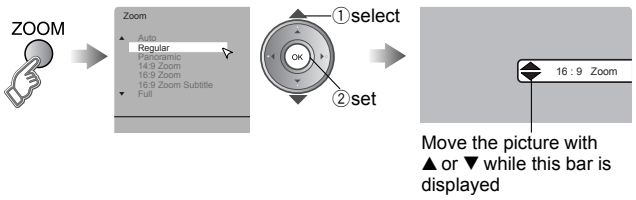
Enjoy ambient sound

3D SOUND


3D Sound
High
High : For stereo sound
Low : For stereo sound
(when the sound distorts in "High" mode)
Mono : For mono sound
(emulates a stereo-like sound)
Off : Turns off "3D Sound"

Change the aspect ratio

ZOOM



- Using "Auto" ⇨ 'Auto in "Zoom"' (P. 33)
- When 1080p (1125p) / 1080i (1125i) / 720p (750p) signal is received, the signal will be displayed as "Full". The zoom menu will not be displayed.
- In PC mode, "Regular" or "Full" can be selected.

Useful functions (continued)

Watch in multi-picture mode

MULTI-PICTURE

Select the number of screens

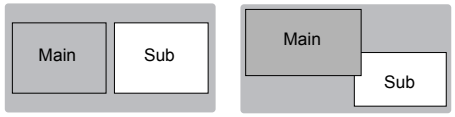
①select
②set

Selecting "1" returns to normal viewing mode

- Not available in the following cases:
  – when in PC mode
  – when 1080p (1125p) signal is received

■Watch in dual-picture mode

E.g. You can watch TV and video at the same time.

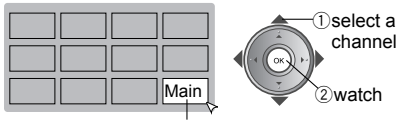


- Switch between the sound sources ⇨
- Change the channel
  ⇨ (Main)
  ⇨ (Sub)

- When watching digital channels, there may be occasions where the aspect ratio changes, for example during commercials. In this case, the layout of the screen in dual-picture mode changes automatically according to the aspect ratio signal.

■Select an analogue channel in 12-screen mode

All registered channels are displayed as still images.



Only the selected frame has a moving picture.

- Move up or down a page ⇨
- Not available when in digital channels, EXT-5 or EXT-6 input.

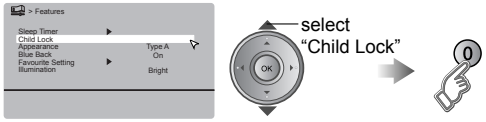
Stop children from watching specific channels

CHILD LOCK

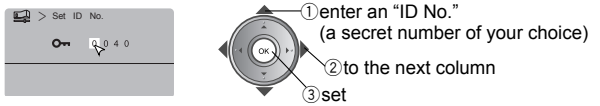
(Analogue channels)

1 Display "Features" menu
⇨"Customising your TV" (P. 22)

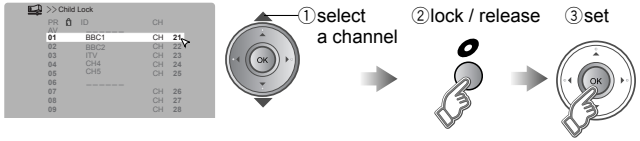
2



3



4



■View a locked channel

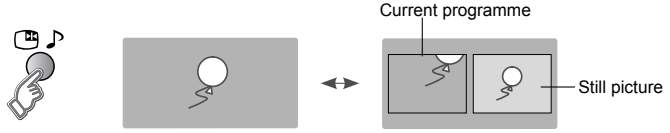
⇨Use the numerical buttons to enter the channel number. When 🔒 appears, press "ⓘ" and enter your "ID No.".

(If you forget your "ID No.", check it in step 3.)

Take snapshots of the screen

FREEZE

(Analogue channels)



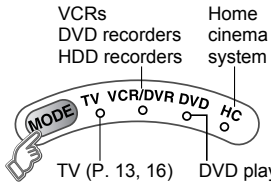
■Cancel ⇨Press "♪" again, or change the channel

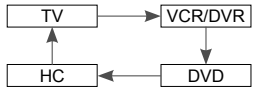
- Not available in the following cases:
  – when the SUB-PICTURE is displayed
  – when watching digital channels
  – when in PC mode
  – when 1080p (1125p) signal is received
- You cannot save or export the snapshot.

Operate JVC recorders and other devices

The included remote control can be used to operate JVC recorders and other devices.

1 Select a device





- The indicator lights for 3 seconds each time the remote control is operated.

2 Turn on the device

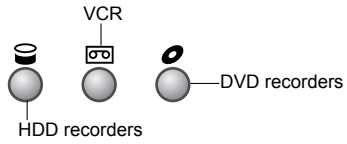
3 Operate the device

- Other buttons can be used to operate the TV at any time.

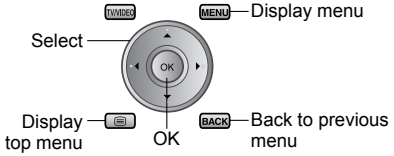
Operate the VCR, DVD recorder or HDD recorder

VCR/DVR

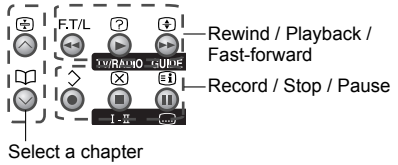
Select VCR / DVD recorder / HDD recorder



■Operate DVD / HDD recorder menus



■Playback / Record etc.

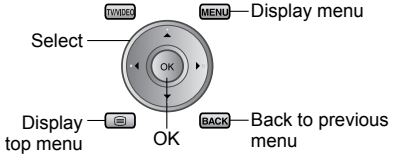


■Display the subtitle (DVD / HDD recorder mode) ⇨ Press "ⓘ"

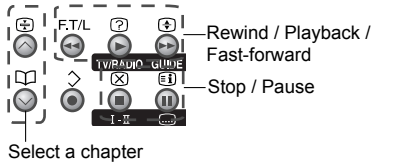
Operate the DVD player

DVD

■Operate DVD menus



■Playback etc.

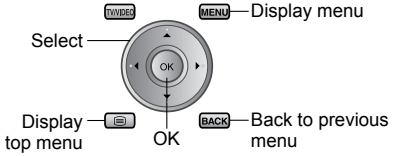


■Display the subtitle ⇨ Press "ⓘ"

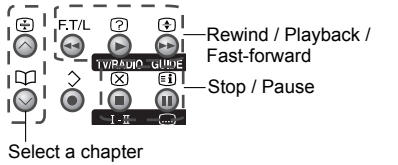
Operate the home cinema system

HC

■Operate HC menus



■Playback etc.



■Display the subtitle ⇨ Press "ⓘ"

■Mute ⇨ Press "🔇"

■Volume ⇨ Press "▲▼"

■Select a surround mode ⇨ Press "⊛"

Try changing the remote control code if you cannot operate a recorder.

■Code A or 1 (Default)

■Code C or 3

- Confirm the code for your recorder by checking the manual it came with.
- Some models of JVC devices cannot be operated with this remote control.
- JVC DVD recorders and HDD recorders are set to code "C" or "3" by default.

Note

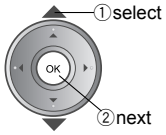
- If the battery is removed, the remote control code reverts back to code A or 1.

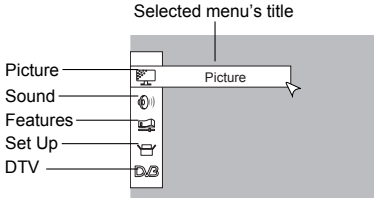
Customising your TV

1 Display the menu bar

MENU

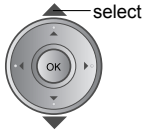
2 Select a menu

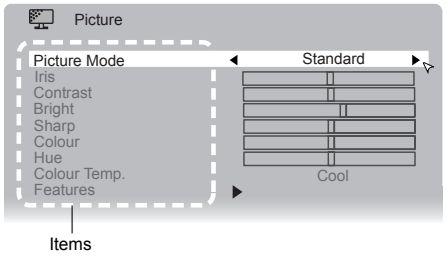




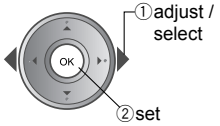
● DTV menu is available only when watching digital channels. ⇨ (P. 23)

3 Select an item

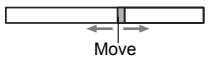


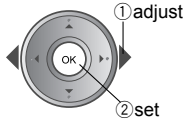


4 Adjust / Configure



■When adjusting with the sliding-bar

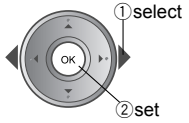




■When selecting from presets

◀ Standard ▶

The item will change.



● Some items have a sub-menu.

■To the previous screen
⇨ BACK

■Exit
⇨ MENU

● The menu disappears after one minute of inactivity.

Menu	Item	Adjustments / Configurations
Picture	Picture Mode	Picture mode (Bright / Standard / Soft)
	Iris	Adjust the amount of light projected on the screen (Darker ⇔ Brighter)
	Contrast	Contrast (Lower ⇔ Higher)
	Bright	Brightness (Darker ⇔ Brighter)
	Sharp	Sharpness (Softer ⇔ Sharper)
	Colour	Colour (Lighter ⇔ Deeper)
	Hue	Tint for NTSC (Reddish ⇔ Greenish)
	Colour Temp.	Colour temperature (Warm / Normal / Cool)
	Features	Finer picture adjustments (P. 24)
Sound	Stereo / Ⅰ · Ⅱ	Mode / Language (Ⓞ : MONO / ⓄⓄ : STEREO / Ⅰ : SUB1 / Ⅱ : SUB2)
	Bass	Low tones (Weaker ⇔ Stronger)
	Treble	High tones (Weaker ⇔ Stronger)
	Balance	Speaker balance (Left Stronger ⇔ Right Stronger)
	3D Sound	Ambience level (High / Low / Mono / Off)
	MaxxBass *1	Emphasize the bass sound (Off / Low / High)
Features	Sleep Timer	Timer for turning off the TV (P. 19)
	Child Lock	Stops children from watching specific channels (P. 20)
	Appearance	Format for displaying the channel number (Type A / Type B)
	Blue Back	Displays a blue screen and mute the sound when the signal is weak or absent (On / Off)
	Favourite Setting	Clear favourite channel settings (P. 16)
	Illumination	Changes the brightness of the power lamp (P. 6) (Bright / Soft)
Set Up	Auto Program	Select a country, it automatically registers channels (P. 11, ❹)
	Edit / Manual	Change registered channels or add new ones (P. 29)
	Language	Select a language for on-screen analogue channel displays and menus (excluding the DTV menu) (P. 11, ❸)
	Decoder (EXT-2)	When connected to VCR with "T-V LINK" (On / Off)
	Component Auto Select	Changes the TV input to "EXT-3" when a component signal is input to "EXT-3" (On / Off) (Not available when viewing PC)
	EXT Setting	For use with video players and other devices (P. 17)
	HDMI Setting	HDMI CEC : Connect and control multiple HDMI CEC enabled devices with a single remote (On / Off) (P. 34) HDMI-1 (EXT-5) : Size (1 / 2 / Auto), Audio (Digital / Analogue / Auto) HDMI-2 (EXT-6) : Size (1 / 2 / Auto)
	Attenuator	When digital channels are not received because of too strong radio waves (On / Off)
	PC Position	PC position adjustment (P. 17)
	Lamp Timer Reset	Resets the lamp timer (P. 5)

● Other settings · Change the aspect ratio ⇨ "ZOOM" (P. 19)
· Turn on "3D Sound" ⇨ "3D SOUND" (P. 19)

*1 MaxxBass is a registered trademark of Waves Audio Ltd. in the USA, Japan and other countries.

Using DTV menu

Digital channels original function and setting can be selected from the DTV menu.

1 Switch to digital channels

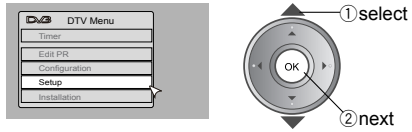
TV/DTV

2 Display the menu bar

MENU

3 Select “DTV”

4 Select “Setup”

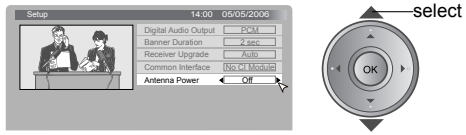


■To the previous screen
⇨ BACK

■Exit
⇨ MENU

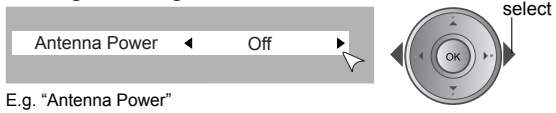
● DTV menu cannot be operated with the front buttons.

5 Select an item



E.g. “Antenna Power”

6 Change setting



E.g. “Antenna Power”

7 Finish

MENU

Menu	Item		Adjustments / Configurations
DTV	Timer		Reserve a programme to record / watch (P. 18)
	Edit PR		Edit / Delete / Lock registered digital channels or add them to favourites (P. 28)
	Configuration	Country	Confirm the country of installation (P. 25)
		Menu Language	Confirm the language for on-screen menus (P. 25)
		Audio Language	Select a default language for audio (P. 25)
		Subtitle Language	Select a default language for subtitle (P. 25)
		Enter PIN Code	Change PIN code (P. 25)
		Favourite Mode	Enable your favourite channels (P. 25)
	Setup	Digital Audio Output	When the Dolby Digital signal is received, you can select to output the signal from the DIGITAL AUDIO OUTPUT terminal (P. 26)
		Banner Duration	Select the display time for channel information (2 sec / 5 sec / 8 sec)
		Receiver Upgrade	Upgrade your tuner software as newer versions becomes available (P. 26)
		Common Interface	Set Conditional Access Module (P. 26)
		Antenna Power	Power supply for the indoor aerial (P. 26)
	Installation	Service Scan	Register channels (P. 27)
		Signal Check	Check the broadcast signal (P. 27)
		Factory Settings	Initialise the DTV settings (P. 27)

When entering the PIN code

When watching digital channels or changing DTV menu settings, it may be necessary for you to enter a PIN code.
Once a PIN code has been entered, there is no need to enter it again until the TV is turned off.
● The default PIN code is “0000”.
● You can set your own PIN code. ⇨ “Enter PIN Code” (P. 25)

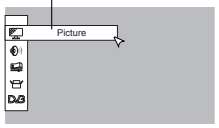
Advanced picture adjustment

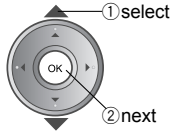
By default, the TV automatically adjusts itself for the best picture.

1 Display the menu bar

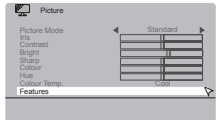
MENU

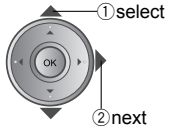
2 Select “Picture”



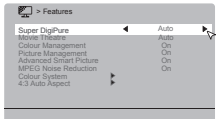


3 Select “Features”

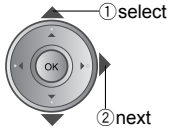




4 Select an item



E.g. “Super Digipure”

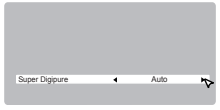


■To the previous screen
⇨ BACK

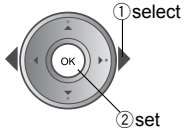
■Exit
⇨ MENU

● The menu disappears after one minute of inactivity.

5 Change settings



E.g. “Super Digipure”



6 Finish

Super DigiPure

For natural-looking outlines

- Off : Function is turned off
- Min : When the picture loses sharpness
- Max : When noise appears
- Auto : Automatically adjusts

Movie Theatre

For smooth cinema film

- Off : Function is turned off
- On : Function is always on
- Auto : Automatically adjusts

Colour Management

For natural-looking pictures

- Off : Function is turned off
- On : Maintain a natural colour balance

Picture Management

Fix bright / dark pictures

- Off : Function is turned off
- On : Make it easier to view bright / dark pictures

Advanced Smart Picture

Fix brightness of white areas

- Off : Function is turned off
- On : Make it easier to view white areas

● Not available when “Picture Mode” is set to “Bright” (P. 22).

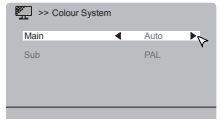
MPEG Noise Reduction

To reduce MPEG video noise

- Off : Function is turned off
- On : When noise appears

Colour System

When there is no colour



① Select the screen to change settings on

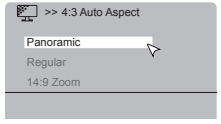
- Main : Main picture
- Sub : Sub-picture in MULTI-PICTURE mode (P. 20)

② Select the colour system

- PAL : Western Europe
- NTSC 3.58 : USA 3.58 MHz
- NTSC 4.43 : USA 4.43 MHz
- Auto : When watching videos, etc.

4:3 Auto Aspect

Set a default aspect ratio



Select a default aspect ratio for Auto in “Zoom” (P. 19)

- Panoramic : 16 : 9
- Regular : 4 : 3
- 14:9 Zoom : 14 : 9

DTV configuration

Available for favourite channel selection, changing PIN code, and selecting maturity rating, etc.

1 Switch to digital channels

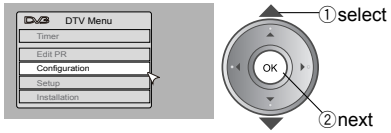
TV/DTV

2 Display the menu bar

MENU

3 Select “DTV”

4 Select “Configuration”



■To the previous screen
⇨ BACK

5 Select an item

■Exit
⇨ MENU

6 Finish

MENU

Note

When not broadcast in the default language, on-screen displays and audio output in that language are not available. In this case, the language that can be displayed and heard depends on the broadcast.

Country

The country of installation — United Kingdom — ● United Kingdom only

Menu Language

The language for on-screen menus — English — ● English only

Audio Language

Select a default language for audio — English, Welsh, Gaelic

● For visually impaired ⇨

Subtitle Language

Select a default language for subtitle — English, Welsh, Gaelic

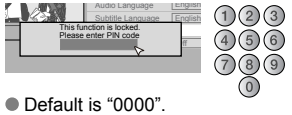
● For hearing impaired ⇨

Change PIN code

Enter PIN Code

① Select “Enter Pin Code”

② Input the current code



● Default is “0000”.
⇨ “When entering the PIN code” (P. 23)
● If you forget the code, input “0081”

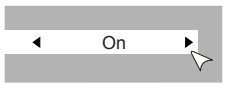
③ Input a new code twice.

Enable your favourite channels

Favourite Mode

① Select “Favourite Mode”

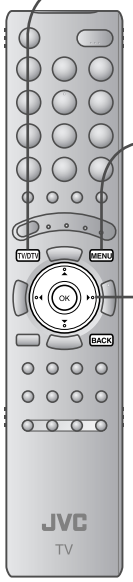
② Select “On”



● If you cannot select “On”, register channels in “favourites” first ⇨ “Favourites” (P. 28)

DTV setup

Available for setting power supply for the aerial, and upgrading the tuner software, etc.



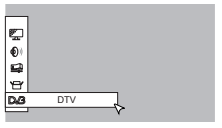
1 Switch to digital channels

TV/DTV

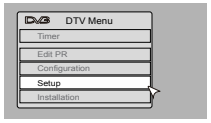
2 Display the menu bar

MENU

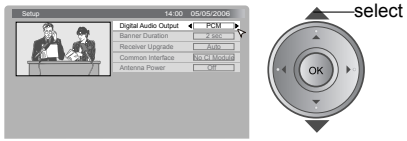
3 Select “DTV”



4 Select “Setup”



5 Select an item



6 Finish

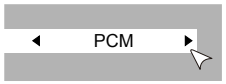
MENU

■To the previous screen
⇨ BACK

■Exit
⇨ MENU

Output the Dolby Digital signal

Digital Audio Output



PCM
: The Linear PCM signal is output

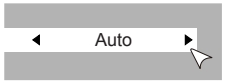
Dolby Digital
: The Dolby Digital signal is output
● Only when the Dolby Digital signal is received

● Read “‘Dolby Digital” output from the “DIGITAL AUDIO OUT” terminal”’ (P. 33) before setting.

Upgrade tuner

Receiver Upgrade

You can upgrade the tuner software as newer versions become available. Normally set to “Auto”.

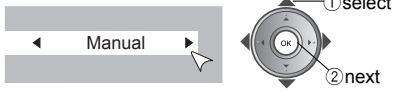


Auto
: Automatically download and install software upgrades
● This occurs at midnight when the TV’s power is off.

Manual
: Manually download and install software upgrades
● When you change the setting, enter PIN code.

■When JVC or the broadcasting station informs you of the new software, download it as follows.

① Select “Manual”



● Enter PIN code if needed.

② Select “Search for new”

● If upgrading is not necessary, select “OK” to finish.

③ Select “Yes”

● If the TV has upgrade to the latest tuner software, the message “Search completed. No new software found” will appear.
● Select “In standby” instead of “Yes” if you want to upgrade the software automatically when the TV is turned off.

Set Conditional Access Module

Common Interface

To watch pay-TV digital channels, use the Conditional Access Module menu.
This function can only be used when pay-TV can be received in your region.

No CI Module
: Function is not available

● When the Conditional Access Module etc. is inserted after subscribing to the broadcasting company, this function is available. ⇨ “Watch pay-TV digital channels” (P. 7)

① Press “OK” button to display the Conditional Access Module menu

② Follow the instructions on the screen to set up pay-TV

● The content of the menu is different depending on the broadcasting company.
⇨ For details, consult your broadcasting company

Power supply for the indoor aerial

Antenna Power

Off
: Power not supplied

On
: Power supplied

● Read “Power supply for the indoor aerial” (P. 33) before setting.

● Banner Duration: Select the display time for channel information (2 sec / 5 sec / 8 sec).

DTV installation

Available for registration of digital channels, checking of digital channel signal, and initialisation of all digital channel settings.

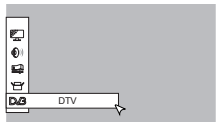
1 Switch to digital channels

TV/DTV

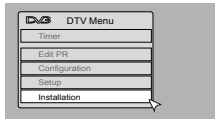
2 Display the menu bar

MENU

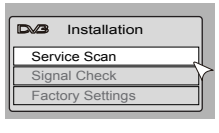
3 Select “DTV”



4 Select “Installation”



5 Select an item



6 Finish

MENU

■To the previous screen
⇨ BACK

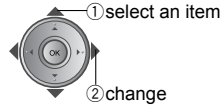
■Exit
⇨ MENU

Register a new channel

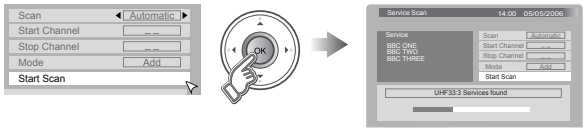
Service Scan

①Set items

Scan	Automatic : Scan automatically Manual : Scan a specified channel range Network : You can select and register only necessary networks.
Start Channel	Specify a scanning channel range (For “Manual”)
Stop Channel	
Mode	Add : Add a new channel to the registered channel Reinstall : Register all channels again



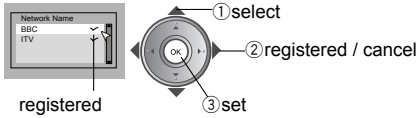
②Select “Start scan”



③Select “Yes”

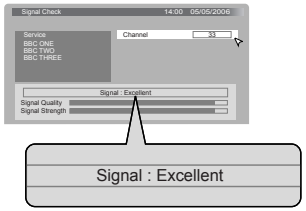
■For “Network”

Select broadcasting stations from a list



Check the broadcast signal

Signal Check



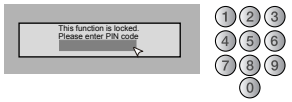
- This channel is the frequency of the digital broadcasting. It differs from the channel number displayed on the TV.
- Select another broadcast channel ⇨ OK select

Initialise the DTV settings

Factory Settings

All registered digital channels are deleted and the DTV menu settings are initialised. Digital channels are reregistered.

①Enter PIN code



- Default is “0000”.
  ⇨ “When entering the PIN code” (P. 23)

②Select “Yes”

2 in “Initial settings” (P. 10)

Editing digital channels

Edit the digital channels registered with “Initial settings” (P. 10).

■To the previous screen
⇨ BACK

■Exit
⇨ MENU

1 Switch to digital channels

TV/DTV

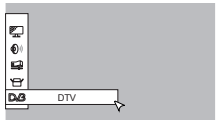
■When switching TV / RADIO

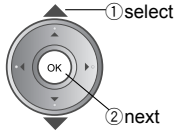
TV/RADIO

2 Display the menu bar

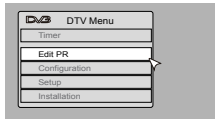
MENU

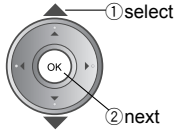
3 Select “DTV”



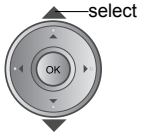


4 Select “Edit PR”





5 Select a channel



6 Edit

7 Finish

MENU

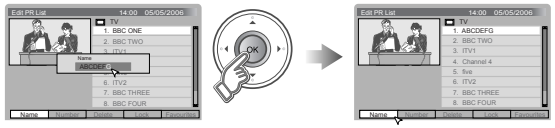
Edit a channel name

Name

①Select “Name”

②Change the name

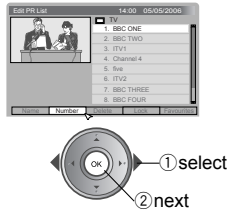
③Set



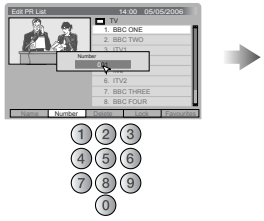
Edit a channel number

Number

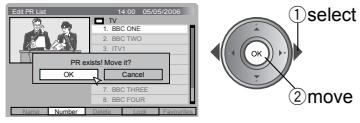
①Select “Number”



②Change the number



③Select “OK”

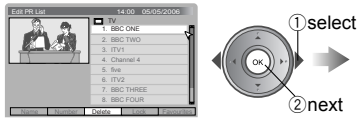


- Only when the same channel number exists.
- The channels are rearranged in numerical order.

Delete a channel

Delete

①Select “Delete”

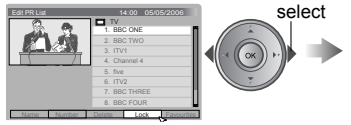


②Select “Yes”

Stop Children from watching specific channels

Lock

①Select “Lock”



- Enter PIN code if needed
  ⇨ “When entering the PIN code” (P. 23)

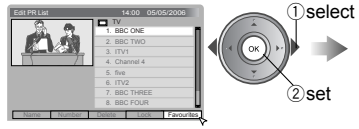
②Lock

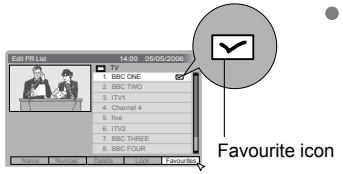
- To release, press “OK” button again.
- To enable “Lock” function, turn the TV off and on again.
- To watch the locked channels, the PIN code must be entered.

Register your favourite channel

Favourites

①Select “Favourites”





- To release, press “OK” button again.

- To move through only your favourite channels and have them appear in the PR list.
  ⇨ “Favourite Mode” (P. 25)

Editing analogue channels

Edit the channels registered with “Auto Program” in “Initial settings” (P. 11).

When coming from “Initial settings” (P. 11), skip to 6.

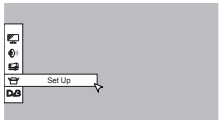
1 Switch to analogue broadcasting

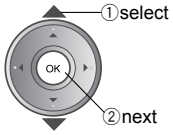
TV/DTV

2 Display the menu bar

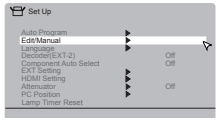
MENU

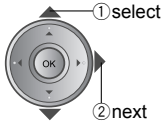
3 Select “Set Up”



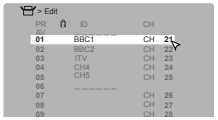


4 Select “Edit / Manual”





5 Select a row



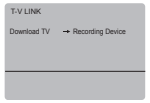
■To the previous screen
⇨ BACK

6 Edit

■Exit
⇨ MENU

7 Confirm settings

8 Finish



● If “Feature Not Available” appears :
⇨ Is a “T-V LINK” compatible device connected to “EXT-2”?
⇨ Is the device turned on?
● “T-V LINK” ⇨ (P. 10)

■When using “T-V LINK”

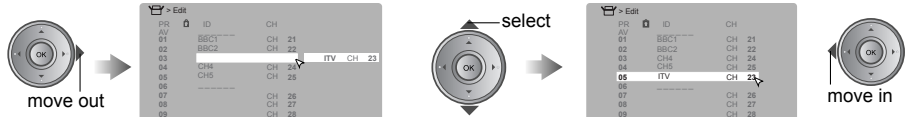
■When not using “T-V LINK”

TV/DTV

Move a channel’s position

MOVE

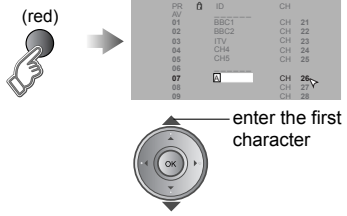
①Begin ②Select a destination ③Finish



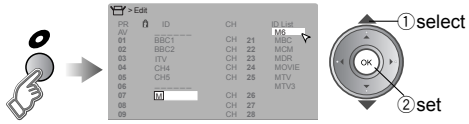
Edit a channel name

ID

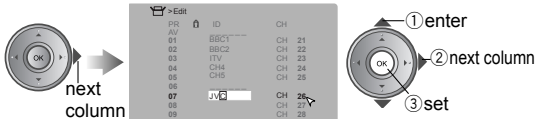
①Begin ②Enter a channel name



■When selecting a preset name from the “ID List”



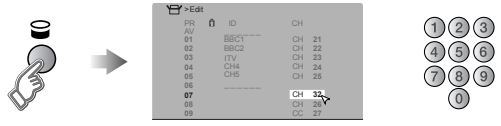
■When manually naming a channel



Insert a channel

INSERT

①Begin ②Enter a number



● Receives the broadcast signal.

● “CH/CC” List ⇨ (P. 32)
● In Ireland, select CH/CC with ▲▼.

Delete a channel

DELETE

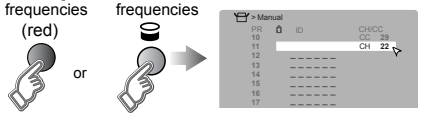
①Delete

Register a new channel

MANUAL

①Begin ②Beginning channel search

From high frequencies (red) or From low frequencies



● Auto-search begins, and the nearest frequency is imported.
⇨ Repeat the previous steps until the desired channel is displayed

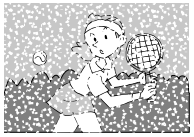
■Picture fine tuning ⇨ RED / GREEN

③Set

Troubleshooting

■ Analogue channels

Severe noise or snow



- Is the TV connected correctly to the aerial?
- Change the direction of the aerial.
- Is the aerial or its cable damaged?
  ⇨ Consult your retailer

Patterns, stripes or noise

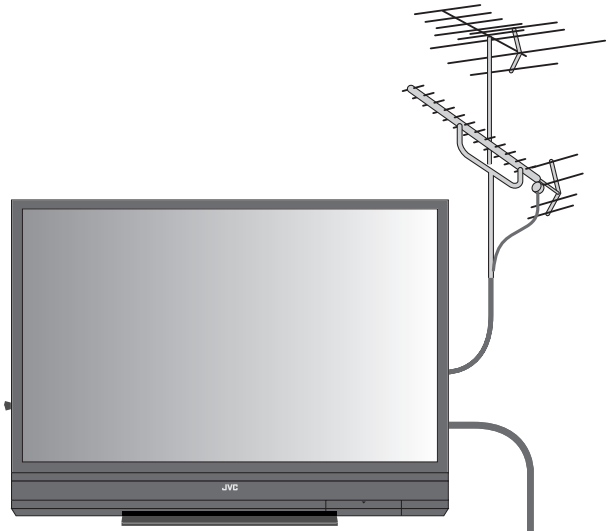
- Is the aerial receiving interference from high-voltage power lines or wireless transmitters?
  ⇨ Consult your retailer
- Are connected devices too close to the TV?
  ⇨ Insert the minimum distance between the aerial and the cause of interference until no interference

Ghosting

(Doubling of images)

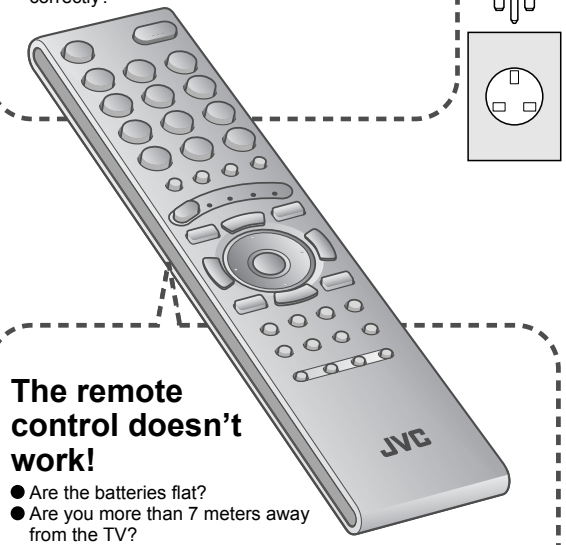
- Are you receiving interference from signals reflected off mountains or buildings?
  ⇨ Adjust the direction of your aerial, or change to a good-quality directional aerial

■ Digital channels ⇨ (P. 11)



I can't turn it on!

- Is the power cord connected to the AC outlet correctly?



The remote control doesn't work!

- Are the batteries flat?
- Are you more than 7 meters away from the TV?
- Is the "MODE (TV, VCR/DVR, DVD, HC)" set to "TV"?
- When viewing teletext, the TV menu bar does not appear.
- Depending on the stability of the signal, there may be a time lag when changing channels.

	Problem	Actions	page
Basics	Not displayed (black screen)	● Is the analogue channel reception poor, too? ⇨ Following the instructions in "Severe noise or snow" can solve this problem (see left). ● Digital channels are not displayed. ⇨ "When the TV cannot find the digital channels" ● There may be problems at the aerial, radio waves, or the area you live in, where reception is bad. ⇨ Consult your retailer.	11 –
	Remote control stops working	● Unplug TV, several minutes later plug it in again.	–
	Digital channel screen is frozen	● Hold down "TV/AV ◯" and "MENU/OK ◯" on the TV simultaneously for three or more seconds to restart.	–
	Some functions do not work	● It is not a malfunction. Some functions (dark background) in the menu do not work depending on the situation.	–
	Front control buttons do not work	● Switch "Child Lock" to "Off."	20 22
Screen	Aspect ratio changes unintentionally	● Press "ZOOM ◯" to return to your settings.	19
	PC screen alignment is off	● Adjust the "PC Position".	17
	The screen is dim	● Adjust the "Iris" brighter.	22
	Black or white dots appear on the screen	● Although the HD-ILA element is manufactured with high-precision technology, understand that some pixels may be lost or permanently displayed.	–
Sound	Poor sound	● Adjust the "Bass" and "Treble". ● If receiving a poor signal in "Stereo / I·II", switch to "Mono".	22 22
	No sound from the audio component	● Audio signals received from EXT-5 and EXT-6 cannot be sent to the "AUDIO OUT" terminal.	–

Troubleshooting (continued)

	Problem	Actions	page
HDMI	Wrong screen size	● Switch “Size” in “HDMI Setting” to “1” or “2”.	22
	No picture, no sound	● Use the cable marked with HDMI logo. HDMI	–
	No sound	● Check if the device is compliant with HDMI. ● Switch “Audio” in “HDMI Setting” to “Digital” or “Auto” for HDMI devices, or “Analogue” or “Auto” for DVI devices. (Not available for “EXT-6”.)	– 22
	Green and distorted screen	● Wait a little for the signal to stabilize when switching the signal format for an “HDMI” device.	–
Error message	“Feature Not Available”	● Is the T-V LINK compatible device connected to EXT-2? ● Is the SCART cable “Fully Wired”? ● Is the T-V LINK compatible device turned on? After confirming all the conditions above, press “OK” button again.	33 – –
	“ACI Error”	● Press ◄ to start ACI again. If you still receive the “ACI Error” after numerous tries, press ► to cancel ACI.	–
	“No Recording”	● A problem occurs at the recorder.	–
	“No Recording Possible”	● The displayed video cannot be recorded.	–
	“No Recording Media Problem”	● The recorder is not ready for recording. Check the video tape or DVD disc.	–
	“No Recording Device Busy”	● The recorder is recording another programme, or is playing.	–

	Problem	Actions	page
Picture	Poor picture quality	● Unnatural colour >>> Adjust “Colour” and “Bright”. Check your “Colour System”. ● Noise >>> Set to the following functions. Picture Mode : Standard Super DigiPure : Max ● Dull picture >>> Set to the following functions. Picture Mode : Bright Super DigiPure : Min	22 24 22 24 22 24
	Strange picture when using an external device	● If you connected S-Video output device, check the “S-IN” setting. ● If the top of the image is distorted, check the video signal quality itself. ● If movement appears unnatural when receiving a signal from a DVD player, etc. with 625p (progressive scanning), change the output setting of the external device to 625i (interlaced scanning).	17 – –
	Blue screen appears on the screen	● Switch “Blue Back” to “Off.”	22
Lamp	The LAMP indicator blinks rapidly	● Keep the TV off for a while and then turn the power on again. If the TV goes into warning mode, unplug the TV after the cooling has completed and consult your retailer. (It may be a malfunction of the internal electrical circuits.)	–
	The power lamp and LAMP indicator blink alternately	● Keep the TV off for a while and then turn the power on again. If the TV goes into warning mode, unplug the TV after the cooling has completed and consult your retailer. (The inside temperature rises abnormally or the fan may be blocked.)	–
	The power lamp and LAMP indicator blink rapidly simultaneously	● If this condition occurs soon after replacing the lamp, reinstall the new lamp unit. (The lamp unit may not be inserted into the lamp housing correctly.) Repeat the lamp installation steps, taking care to observe all warnings. - Make sure the lamp sits flat inside the housing area. - Make sure the lamp cover is reinstalled. ● If this condition occurs except for replacing the lamp, keep the TV off for a while and then turn the power on again. If the TV goes into warning mode, unplug the TV after the cooling has completed and consult your retailer. (It may be a lamp malfunction.)	4 –

Troubleshooting (continued)

Functions

DTV

Some inputs cannot be selected in the sub-picture	● “EXT-3”, “EXT-5”, “EXT-6” inputs and PC mode cannot be selected in the sub-picture. ● RGB input signal of “EXT-1” and “EXT-2” are not available in dual-picture mode.	–
No picture, no sound	● Some digital channels cannot be watched on this TV.	33
“Dolby Digital selected! No analogue audio available”	When “Dolby Digital” is selected in “Digital Audio Output”, the sound of a programme containing “Dolby Digital” signals cannot be output from the TV or the audio system connected to the “AUDIO OUT” terminal. When the channel is changed, a message will be displayed for a few seconds. ● To listen with the TV or audio system ⇨ Select a language without “Dolby” from “Audio Selection” ⇨ Switch “Digital Audio Output” to “PCM”	33 19 26
Forgot my PIN code!	● The default PIN code is “0000”. If you forget the numbers that you used to change the default PIN code, first input “0081” in the “Enter PIN code” and then register a new PIN code.	25
Locked channels can be watched without inputting PIN code	● Once the PIN code is input, the lock function is released. If you want to use the lock function again, turn the TV off and then turn it on again.	–
When JVC or the broadcasting station informs you of the software	● Upgrade the tuner software by using the “Receiver Upgrade” function.	26

“CH/CC” List

● To use the INSERT function (P. 29), find the CH/CC number corresponding to the TV’s channel number from this table. If you want to know a particular TV channel’s channel menu, look in TV listings magazines or contact the broadcaster.

● When the Country setting is United Kingdom, the CC number channels and channels from CH02 to CH12 cannot be received.

CH	Channel
CH 02	E2, IR A
CH 03	E3, IR B
CH 04	E4, IR C
CH 05	E5, IR D
CH 06	E6, IR E
CH 07	E7, IR F
CH 08	E8, IR G
CH 09	E9
CH 10	E10, IR H
CH 11	E11, IR J
CH 12	E12
CH 21	E21
CH 22	E22
CH 23	E23
CH 24	E24
CH 25	E25
CH 26	E26
CH 27	E27
CH 28	E28
CH 29	E29
CH 30	E30
CH 31	E31
CH 32	E32
CH 33	E33
CH 34	E34
CH 35	E35
CH 36	E36
CH 37	E37
CH 38	E38
CH 39	E39

CH	Channel
CH 40	E40
CH 41	E41
CH 42	E42
CH 43	E43
CH 44	E44
CH 45	E45
CH 46	E46
CH 47	E47
CH 48	E48
CH 49	E49
CH 50	E50
CH 51	E51
CH 52	E52
CH 53	E53
CH 54	E54
CH 55	E55
CH 56	E56
CH 57	E57
CH 58	E58
CH 59	E59
CH 60	E60
CH 61	E61
CH 62	E62
CH 63	E63
CH 64	E64
CH 65	E65
CH 66	E66
CH 67	E67
CH 68	E68
CH 69	E69

CC	Channel
CC 01	S1
CC 02	S2
CC 03	S3
CC 04	S4
CC 05	S5
CC 06	S6
CC 07	S7
CC 08	S8
CC 09	S9
CC 10	S10
CC 11	S11
CC 12	S12
CC 13	S13
CC 14	S14
CC 15	S15
CC 16	S16
CC 17	S17
CC 18	S18
CC 19	S19
CC 20	S20
CC 21	S21
CC 22	S22
CC 23	S23
CC 24	S24
CC 25	S25
CC 26	S26
CC 27	S27
CC 28	S28
CC 29	S29
CC 30	S30

CC	Channel
CC 31	S31
CC 32	S32
CC 33	S33
CC 34	S34
CC 35	S35
CC 36	S36
CC 37	S37
CC 38	S38
CC 39	S39
CC 40	S40
CC 41	S41
CC 75	X
CC 76	Y
CC 77	Z
CC 78	Z+1
CC 79	Z+2

Technical information

What is “T-V LINK”?

“T-V LINK” allows the TV to share information easily with a connected “T-V LINK” compatible device.
By using T-V LINK :

- You can send the channel information programmed on the TV to the “T-V LINK” compatible device, so that both the TV and the external device have the same channel settings. When connecting a new external device, channel information is loaded into it, allowing channel setup to be completed very quickly. For more details, refer to the external device’s manual.
- You can easily record the TV programme you are viewing on a “T-V LINK” compatible device by using the “DIRECT REC” feature. For more details, refer to the external device’s manual.

What is “ACI” (Automatic Channel Installation)?

Some cable companies transmit a signal called “ACI” which contains information that allows TV channels to be registered automatically on your TV.
When an ACI signal is received, “ACI Start / ACI Skip” appears in the “Auto Program” screen.

PC Signals that can be displayed

- If the signal doesn’t appear, check that the vertical frequency on the PC is set to “60Hz”.

Resolution	640 x 480 (VGA)	1024 x 768 (XGA)
Vertical frequency (Hz)	60.0	60.0

Connect “DVI” devices

Connect a “DVI“ device to “EXT-5 (HDMI)” using “DVI-HDMI” conversion cable. Connect analogue sound output of the DVI device to L and R terminals in AUDIO (ANALOGUE).

- Set “Audio” in “HDMI Setting” to “Analogue” or “Auto” ⇨ (P. 22)
- EXT-6 input does not support analogue sound.

If you accidentally cut the power cord

Attach a new plug following the steps below. If in doubt, contact your local retailer.

Important

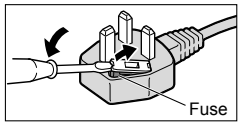
- Never connect to the larger terminal marked with an “E”, the safety earth symbol “⏚” or coloured green or green-and-yellow.
- The wires in the mains lead on this product are coloured with the following code:
  · Blue: Neutral wire (connect to the black terminal, or one marked “N”)
  · Brown: Live wire (connect to the red terminal, or one marked “L”)

Change the fuse in the plug

Open the plug as illustrated on the right.

- When replacing the fuse, always use a correctly rated and approved type and re-fit the fuse cover when finished.

If in doubt, contact your local retailer.



Power supply for the indoor aerial

When using an indoor aerial which needs external power, set “Antenna power” to “On” during “Initial settings” (P. 10).
The TV will supply DC 5V, 50mA (max) from the aerial socket through the cable to the aerial.

- Supplying power to outdoor and indoor aerials which does not need external power, may cause damage to the aerial. If you are uncertain whether the aerial needs external power, select “Off”.
- Connect the aerial directly to the TV. When a recording device is connected between the aerial and the TV, power cannot be supplied to the aerial.
- Power is supplied to the aerial only when the TV is on.

■ **To change the setting after “Initial settings” is complete** ⇨ **“Antenna power” (P. 26)**

“Dolby Digital” output from the “DIGITAL AUDIO OUT” terminal

Some digital channels are broadcasted with “Dolby Digital” signals.
In these cases, “Dolby Digital” signals can be output from the “DIGITAL AUDIO OUT” terminal.

1. Connect an audio system with a “Dolby Digital” decoder. (P. 9)
2. Change the “Digital Audio Output” setting from “PCM” to “Dolby Digital”. (P. 26)
   - When changing the setting, the message “Dolby Digital selected! No analogue audio available.” may be displayed for a few seconds.
   - Each time the channel is changed to a channel that is broadcast with “Dolby Digital” signals, the message “Dolby Digital selected! No analogue audio available.” may be displayed for a few seconds.
   - Even if “Dolby Digital” is set, “linear PCM” signals will be output by a channel that is not broadcast with “Dolby Digital” signals.
     Set the audio system so that it is compatible with both “Dolby Digital” and “linear PCM”. (For details, refer to the audio system instruction manual.)
   - When you want to temporarily change the setting from “Dolby Digital” to “PCM”, change with the “Audio selection” menu (P. 19).

■ **Set “Digital Audio Output” to “PCM” in the following cases.**
The sound of a channel broadcast with “Dolby Digital” signals cannot be heard even when “Dolby Digital” is set.

- When listening with the TV speakers.
- When listening with an audio system that does not have a “Dolby Digital” decoder.
- When listening with an audio system that is connected to the “AUDIO OUT” terminal.
- When recording a programme.

■ **If a language with “Dolby” is selected when “Dolby” is displayed in the “Audio selection” menu (P. 19), the “Digital Audio Output” setting can be temporarily changed from “PCM” to “Dolby Digital”.**

- A message recommending you to change the “Digital Audio Output” setting to “Dolby Digital” is displayed for a few seconds.

■ **If you want to record a “Dolby Digital” signal using timer-record (P. 18), change the “timer-record setting” from “PCM / Analogue” to “Dolby Digital”. However, if the setting is changed to “Dolby Digital”, you cannot record analogue sound with a recording device that is connected to the EXT-2 terminal.**

■ **“Dolby” and the double-D symbol are trademarks of Dolby Laboratories.**

Digital channels that cannot be watched on this TV

If a digital channel service uses new formats (such as DVB-H or MPEG4, etc.), or MHP, it cannot be watched even though the channel name appears.
If the channel is selected, the picture will not appear and audio cannot be heard.

- You can delete these channels by using the “Delete” in the “Edit PR”
  ⇨ “Editing digital channels” (P. 28)

Auto in “Zoom”

When “Auto” is selected in Zoom, the aspect ratio will turn to the ratio obtained from the information the TV received.

- The aspect ratio will turn to the ratio obtained from WSS (Wide Screen Identification Signal), video signal, or control signal of the external devices. Without receiving the aspect information, it will be the setting in “4:3 Auto Aspect” (P. 24)
- Not available in PC mode.

Technical information (continued)

What is “HDMI CEC”?

HDMI CEC (Consumer Electronics Control) allows the TV to connect and control multiple HDMI CEC enabled devices with a single remote. CEC (Consumer Electronics Control) is an optional protocol used in HDMI.

- HDMI CEC on this TV is compliant with “High-Definition Multimedia Interface Specification Version 1.2a”.
- The TV does not support HDMI CEC functions that are not listed below.
- The TV does not guarantee to support use of all HDMI CEC enabled devices.
- Devices that are not enabled to HDMI CEC cannot be controlled with this TV.

■ Control the TV using the HDMI CEC enabled device

- Turn the TV on and switch to the video source of the operating device.
- Switch to the video source of the operating device.
- Turn the TV off with the HDMI CEC enabled device you are viewing.

* For operating instructions of the device, refer to the device’s manual.

■ Control the HDMI CEC enabled device using the TV

- Turn off the operating device by turning off the TV.

* Some device may not support this function. For more details refer to the device’s manual.

■ Send status of the TV to the HDMI CEC enabled device

- When switching the TV’s external input or channel.
- When switching the TV’s menu language.

* Information regarding behaviour of the device when status is received, refer to the external device’s manual.

Turning On / Off HDMI CEC:

- Set HDMI CEC ⇨ “HDMI Setting” (P. 22)

* Factory default setting is “On”.

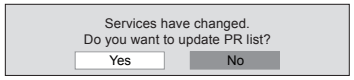
If “HDMI CEC” does not work correctly:

- When HDMI CEC enabled device is connected to EXT-1 or EXT-2 with SCART cable and EXT-5 or EXT-6 with HDMI cable, you may not be able to control TV’s external input. To solve the problem set “HDMI CEC” to “Off”.

Updating the PR list (Digital channel only)

The TV will run the reception test (for digital channel) at midnight (3 AM) on a daily basis.
If the TV detects channels that became receivable or if the TV was not able to receive a certain channel, a message about updating the PR list will be displayed when the TV is turned on.

- The reception test will only operate when the TV is on standby. It will not operate when the TV is turned on.
- If the TV does not detect any channels that needs to be updated, a message will not be displayed.



■ To update the PR list

1. Select “Yes” and press the OK button.
2. “Service Scan” menu is displayed.
   Run the service scan to update the PR list ⇨ “Service Scan” (P. 27)

- If “Reinstall” is set in “Mode” of “Service Scan” menu, all PR list setting will reset and all the reservations for “Record” and “Remind” will be canceled. If you want to leave those settings and just add channels, set the “Mode” of “Service Scan” menu to “Add.” (P. 27)
- If “Add” is set in “Mode” of “Service Scan” menu, channels which the TV could not receive will not be deleted from the PR list. To delete those channels manually ⇨ “Edit PR” (P. 28)
- The service scan will take a few minutes.

■ To cancel the update

Select “No” and press the OK button.

- If you want to update the PR list later, select “No” and press the OK button. Next time you turn on the TV, this message will not be displayed but you can also update the PR list using “Service Scan.” (P. 27)

Specifications

Main unit

Model	HD-65DS8DDJ	HD-58DS8DDJ
Broadcasting systems	CCIR I	
Colour systems	TV broadcast : PAL External input : PAL, NTSC 3.58/4.43 MHz	
Channels and frequencies	● Digital : E21-E68 (Frequency : 474 MHz-850 MHz) ● Analogue : UNITED KINGDOM : E21-E69 (UHF) IRELAND : IR-A-J, E2-E12 / E21-E69 (VHF/UHF)	
Sound-multiplex systems	NICAM (I)	
Teletext systems	Digital : MHEG 5 UK profile Analogue : FLOF (Fastext), WST (World Standard System)	
Power requirements	AC 220 V - 240 V, 50 Hz	
Audio output (Rated power output)	10 W + 10 W + 10 W	
Speakers	(1 cm x 9.5 cm) x 2, 2 cm round x 2, 10 cm round x 1	
Power consumption [standby]	204 W [0.68 W]	
Screen size (visible area size measured diagonally)	165 cm	147 cm
Dimensions (W x H x D: mm) [without pedestals]	1459 mm x 1055 mm x 369 mm [1459 mm x 1055 mm x 295 mm]	1305 mm x 961 mm x 346 mm [1305 mm x 961 mm x 272 mm]
Weights	66 kg	54 kg
Accessories	(See “Check accessories”, P. 6)	

- A CAM (Conditional Access Module) for watching pay-TV digital channels can be installed (P. 7)
- DC power can be supplied to the indoor aerial. (P. 33)

Terminals / Connectors

Terminal name		Terminal type	Signal type (IN)	Signal type (OUT)	Notes
Input / Output terminals	EXT-1	Euroconnector x 1 (SCART connector)	Composite video, S-video, Analogue RGB AUDIO L / R	TV out	
	EXT-2	Euroconnector x 1 (SCART connector)	Composite video, S-video, Analogue RGB AUDIO L / R	Dubbing out	“T-V LINK” compatible
Input terminals	EXT-3	RCA connectors x 5	Analogue component (576i (625i) / 480i (525i), Progressive : 576p (625p) / 480p (525p), HD : 1080i (1125i), 720p (750p)) AUDIO L / R		
	EXT-4	RCA connectors x 3, S-VIDEO connector x 1	Composite video, S-video AUDIO L / R		
	EXT-5 (HDMI-1)	HDMI connector x 1 RCA connectors x 2	HDMI (576i (625i) / 480i (525i) / 576p (625p) / 480p (525p), 1080i (1125i), 720p (750p), 1080p (1125p)) AUDIO L / R (EXT-5 only)		“HDMI CEC” compatible (left column)
	EXT-6 (HDMI-2)	HDMI connector x 1			
	PC INPUT	D-SUB (15 pins) x 1	Analogue PC signal (P. 33)		
Output terminals	AUDIO OUT	RCA connectors x 2		Audio L / R	
	DIGITAL AUDIO OUT	OPTICAL connector x1		Digital audio (48 kHz,16 bit linear PCM / Dolby Digital)	
	Headphone	Stereo mini-jack x 1 (3.5 mm in diameter)		Headphone output	

- We may change the design and specifications without notice.

JVC

For users in the UK :
If you have any problems setting up your new TV, please call the JVC Helpline on **0870 330 5000.**

For users in the Republic of Ireland :
If you have any problems setting up your new TV, please call the JVC Helpline on **1890-582500.**

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